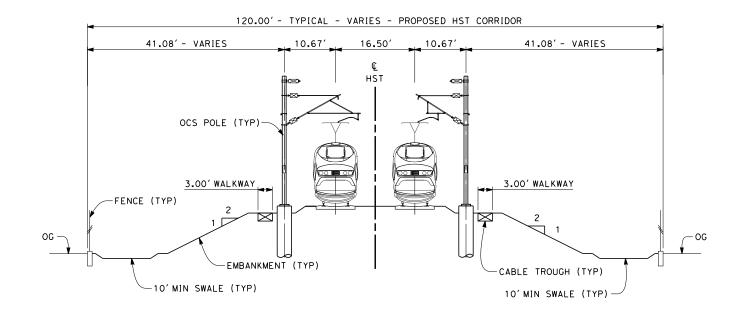
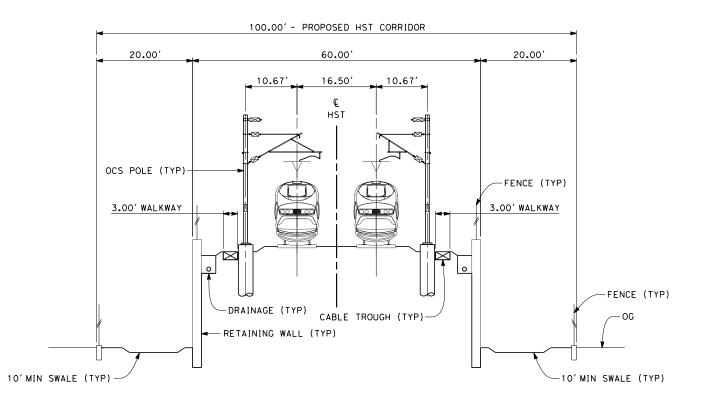


- 1. TRACKFORM SHOWN IS INDICATIVE
- 2. FOR STRUCTURE DIMENSIONS SEE STRUCTURAL CROSS SECTIONS
- SUPERELEVATION IS NOT SHOWN IN CROSS SECTIONS. FOR DETAILS OF SUPERELEVATION SEE CURVE TABLES.





TWIN TRACK - AT-GRADE WITH OPEN DRAINAGE STA 5154+50 THROUGH STA 5191+50 STA 5310+30 THROUGH STA 5598+43

SECTION 2

TWIN TRACK - RETAINED EMBANKMENT STA 5191+50 THROUGH STA 5225+30 STA 5290+80 THROUGH STA 5298+40 STA 5299+00 THROUGH STA 5310+30



						DESIGNED BY S. LITSAS	
						DRAWN BY J. BORGHESI	RECORD SET 15% Design Submission
						CHECKED BY	-
						IN CHARGE	NOT FOR
						R. COFFIN	CONSTRUCTION
REV	DATE	BY	СНК	APP	DESCRIPTION	12/31/13	

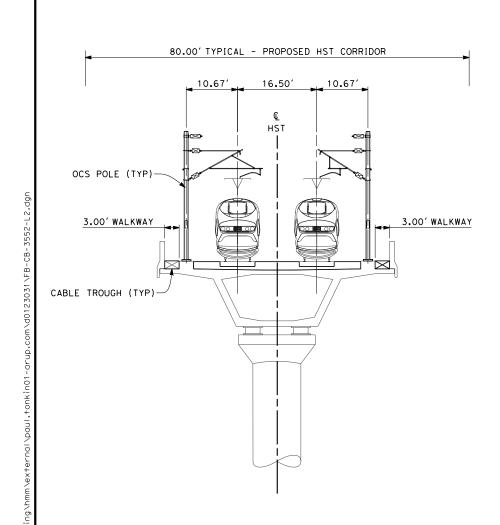




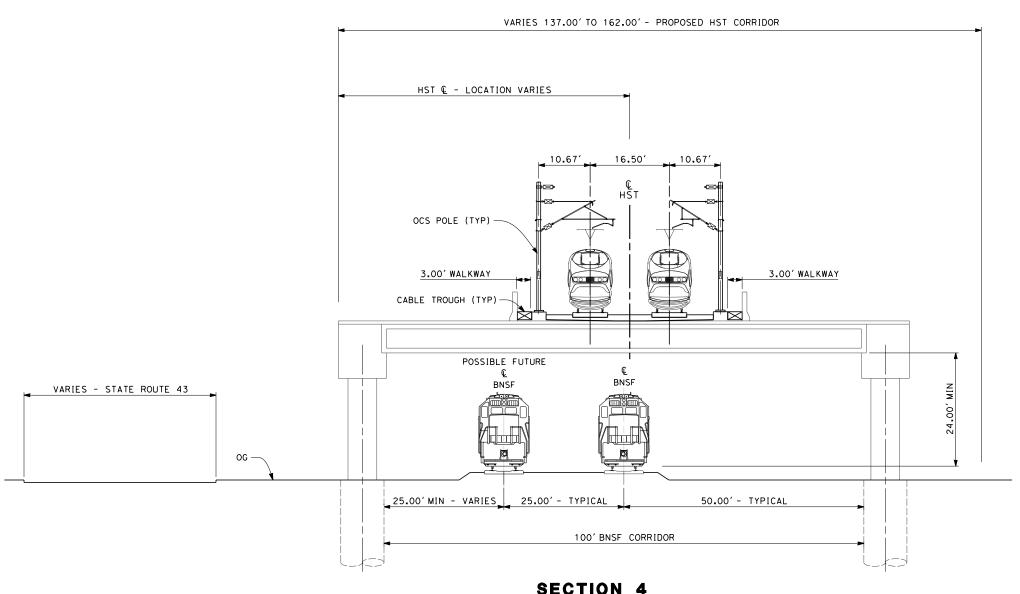
CALIFORNIA HIGH-SPEED TRAIN PROJECT FRESNO TO BAKERSFIELD

CONTRACT NO		
HSR	06-0003	
DRAWING NO.		
CE	B3551	
SCALE		
AS	SHOWN	
SHEET NO.		
10	OF 13	

- 1. TRACKFORM SHOWN IS INDICATIVE
- 2. FOR STRUCTURE DIMENSIONS SEE STRUCTURAL CROSS SECTIONS
- 3. SUPERELEVATION IS NOT SHOWN IN CROSS SECTIONS. FOR DETAILS OF SUPERELEVATION SEE CURVE TABLES.
- 4. PER CALTRANS HIGHWAY DESIGN MANUAL REQUIREMENTS, A HIGHWAY BARRIER IS REQUIRED WHEN ADEQUATE HORIZONTAL CLEARANCE BETWEEN ROADWAY TRAVELED WAY AND HST COLUMN IS NOT MET, STA 5271+55 TO 5284+80



TWIN TRACK - AERIAL VIADUCT STA 5225+30 THROUGH STA 5271+55 STA 5284+80 THROUGH STA 5290+80



SECTION 4

TWIN TRACK - ELEVATED SLAB OVER BNSF ADJACENT HIGHWAY STA 5271+55 THROUGH STA 5278+20



						DESIGNED BY S. LITSAS	
						DRAWN BY J. BORGHESI	DE
						CHECKED BY	"=
						IN CHARGE R. COFFIN	
REV	DATE	ВΥ	СНК	APP	DESCRIPTION	DATE 12/31/13	1

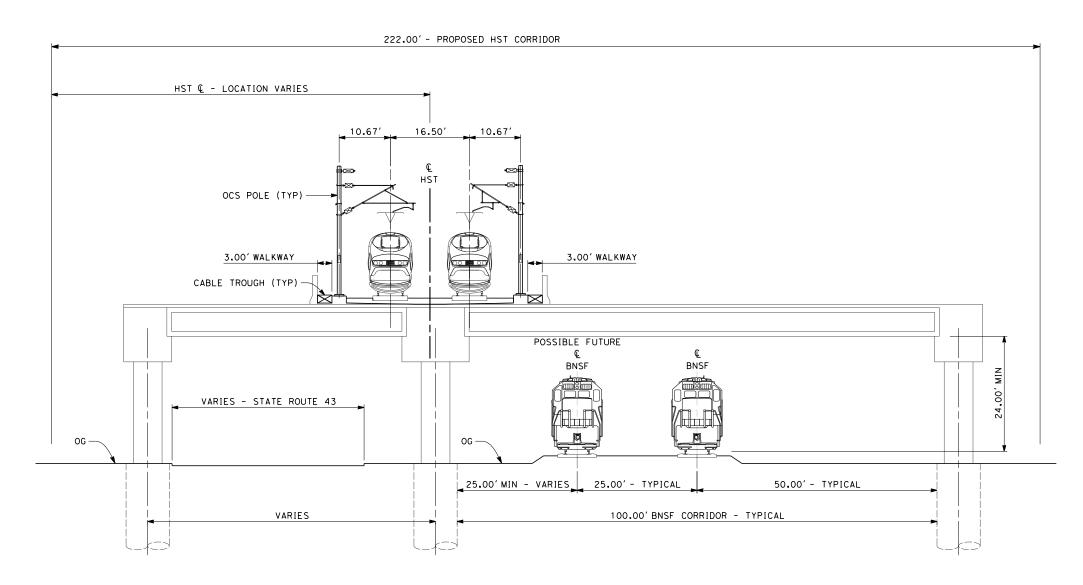
RECORD SET 15% ESIGN SUBMISSION NOT FOR CONSTRUCTION





CALIFORNIA HIGH-SPEED TRAIN PROJECT FRESNO TO BAKERSFIELD

CONTRACT			0003
DRAWING	NO.	355	
SCALE A	S	SHC	NMN
SHEET NO	1	OF	13



TWIN TRACK - ELEVATED SLAB OVER HIGHWAY AND BNSF STA 5278+20 THROUGH STA 5280+30



NOTES:

1. TRACKFORM SHOWN IS INDICATIVE
2. FOR STRUCTURE DIMENSIONS SEE STRUCTURAL CROSS SECTIONS
3. SUPERELEVATION IS NOT SHOWN IN CROSS SECTIONS. FOR DETAILS OF

4. PER CALTRANS HIGHWAY DESIGN MANUAL REQUIREMENTS, A HIGHWAY BARRIER IS REQUIRED WHEN

5271+55 TO 5284+80

SUPERELEVATION SEE CURVE TABLES

ADEQUATE HORIZONTAL CLEARANCE BETWEEN ROADWAY TRAVELED WAY AND HST COLUMN IS NOT MET, STA

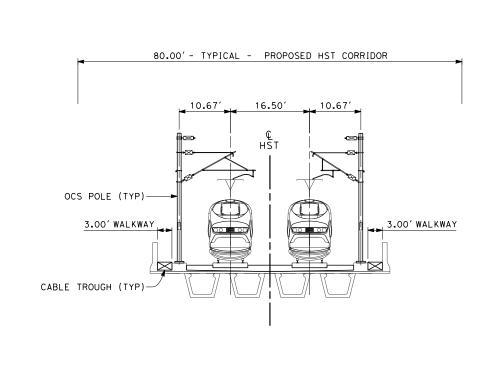




CALIFORNIA HIGH-SPEED TRAIN PROJECT FRESNO TO BAKERSFIELD

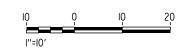
CONTRACT NO HSR	o. 06-0003
DRAWING NO.	7557
	33553
SCALE A S	SHOWN
SHEET NO.	31101111
	OF 13

- 1. TRACKFORM SHOWN IS INDICATIVE
- 2. FOR STRUCTURE DIMENSIONS SEE STRUCTURAL CROSS SECTIONS
- SUPERELEVATION IS NOT SHOWN IN CROSS SECTIONS. FOR DETAILS OF SUPERELEVATION SEE CURVE TABLES.
- 4. PER CALTRANS HIGHWAY DESIGN MANUAL REQUIREMENTS, A HIGHWAY BARRIER IS REQUIRED WHEN ADEQUATE HORIZONTAL CLEARANCE BETWEEN ROADWAY TRAVELED WAY AND HST COLUMN IS NOT MET, STA 5271+55 TO 5284+80



SECTION 7

TWIN TRACK - ELEVATED PRECAST CONCRETE GIRDER STRUCTURE STA 5298+40 THROUGH STA 5299+00



,TE\$								
\$DA							DESIGNED BY S. LITSAS	
							DRAWN BY J. BORGHESI	REC DESIG
							CHECKED BY G. MEJIA	
ER\$							IN CHARGE R. COFFIN	coi
\$USE	REV	DATE	ВΥ	СНК	APP	DESCRIPTION	12/31/13	

VARIES 95.00' TO 129.00' - PROPOSED HST CORRIDOR

VARIES

-CABLE TROUGH (TYP)

VARIES - STATE ROUTE 43

VARIES

16.50

HST

10.67

OCS POLE

3.00'

OG —

WALKWAY

HST & - LOCATION VARIES

10.67

3.00'

WALKWAY

25.00' MIN VARIES

SECTION 6

TWIN TRACK - ELEVATED SLAB OVER HIGHWAY ADJACENT TO BNSF

STA 5280+30 THROUGH STA 5284+80

POSSIBLE FUTURE

BNSF

25.00' - TYPICAL

CORD SET 15%
IGN SUBMISSION
NOT FOR
ONSTRUCTION



100.00' - VARIES - BNSF CORRIDOR

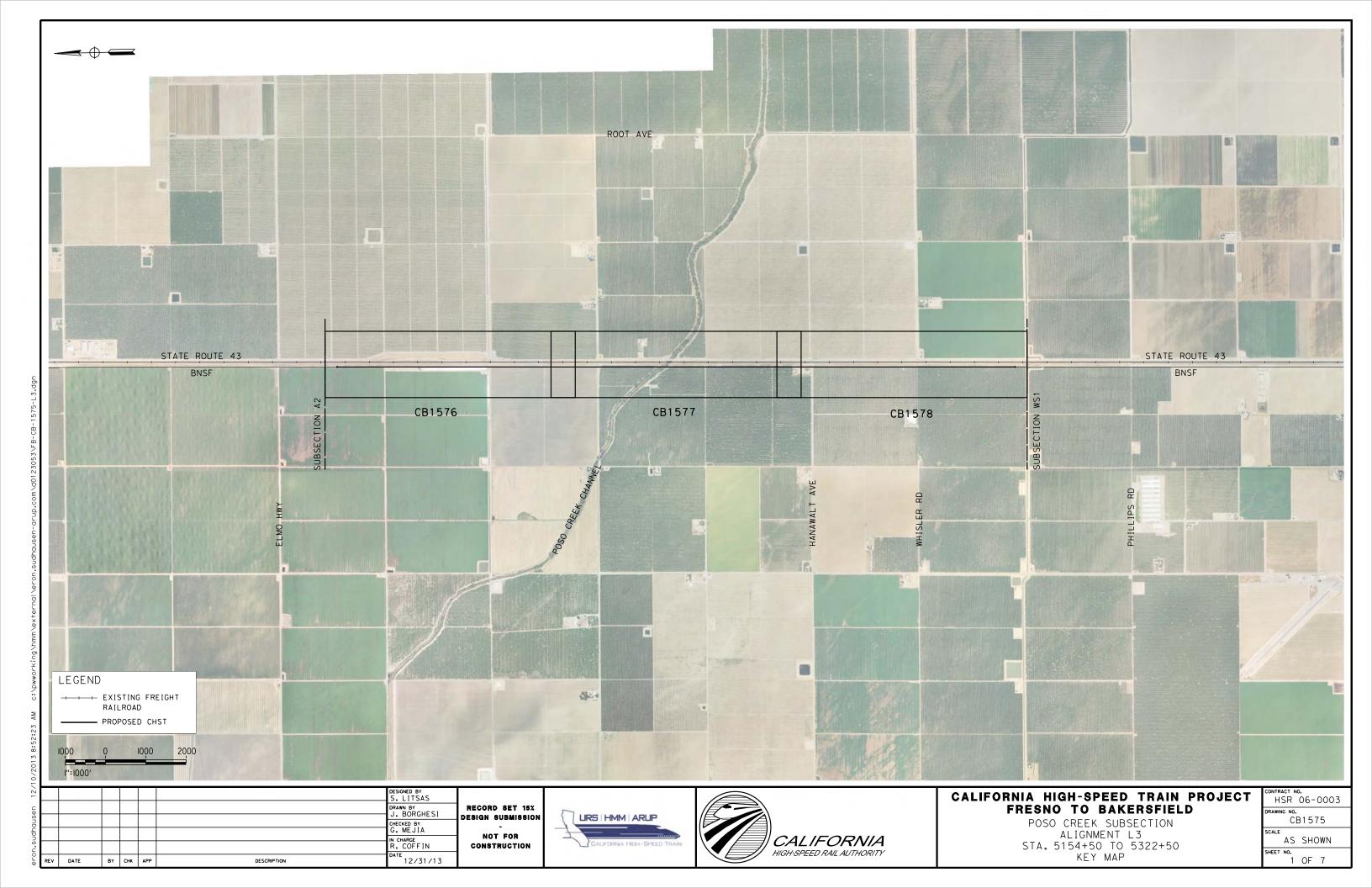
BNSF

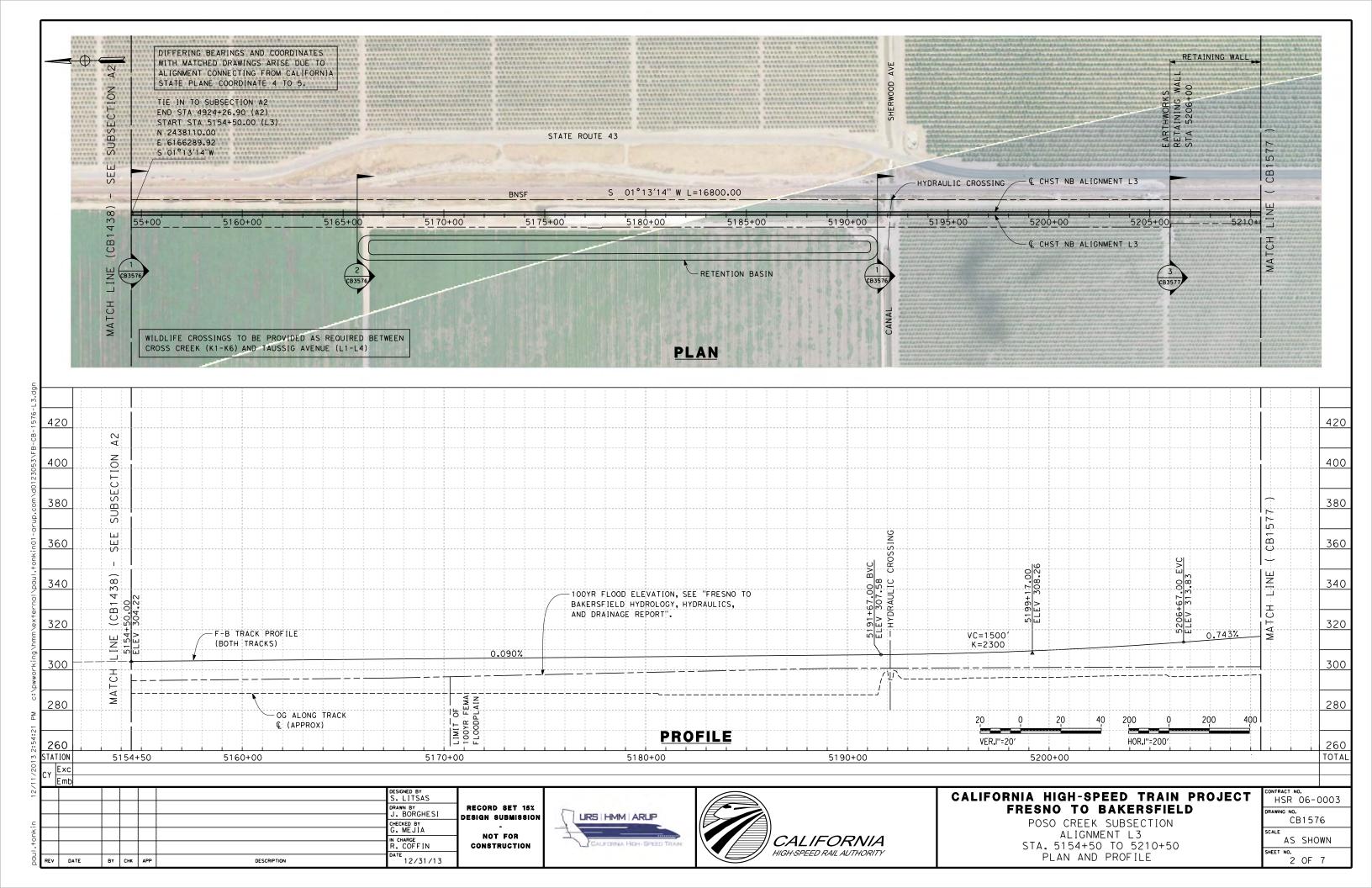
50.00' - TYPICAL

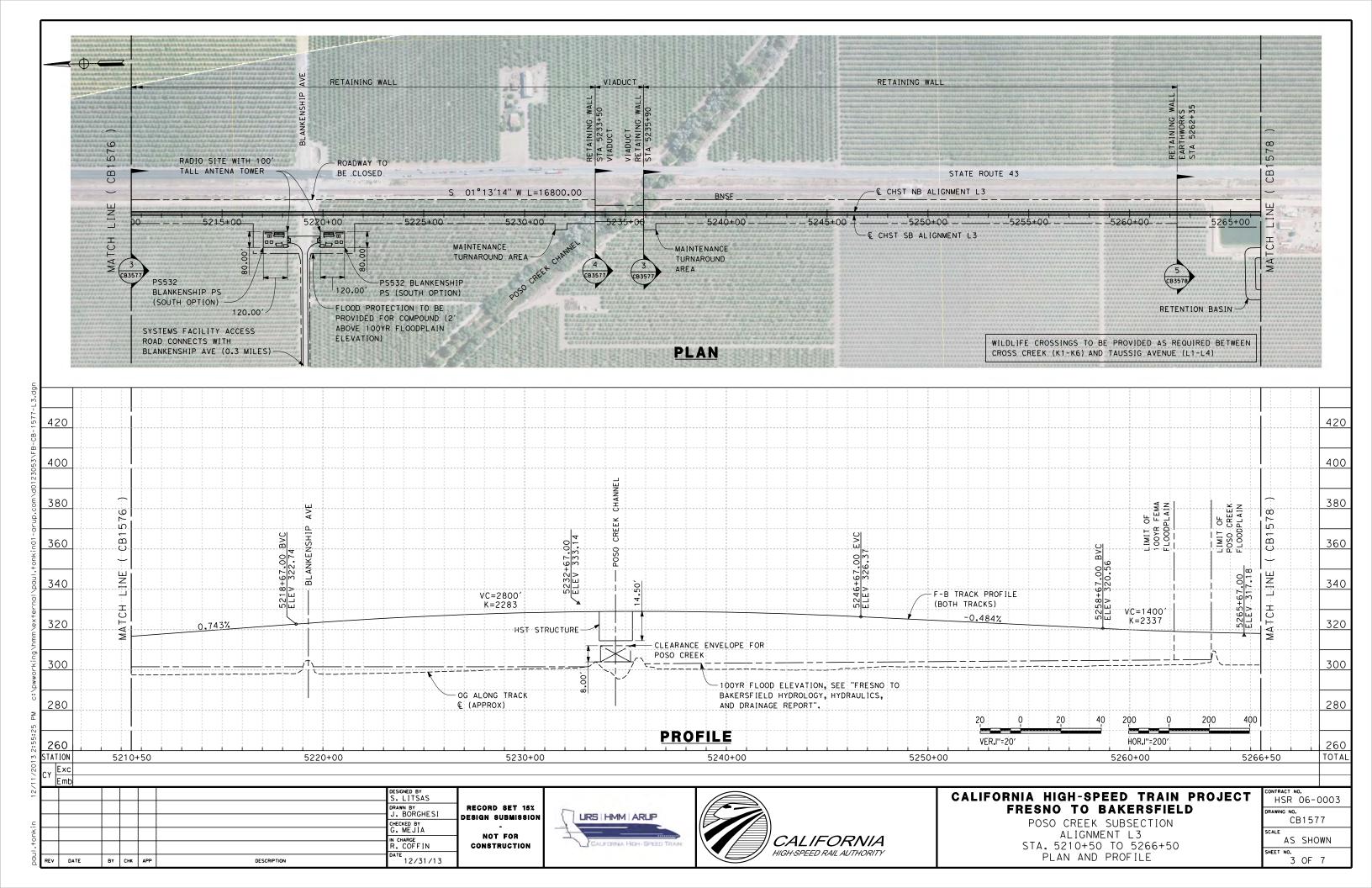


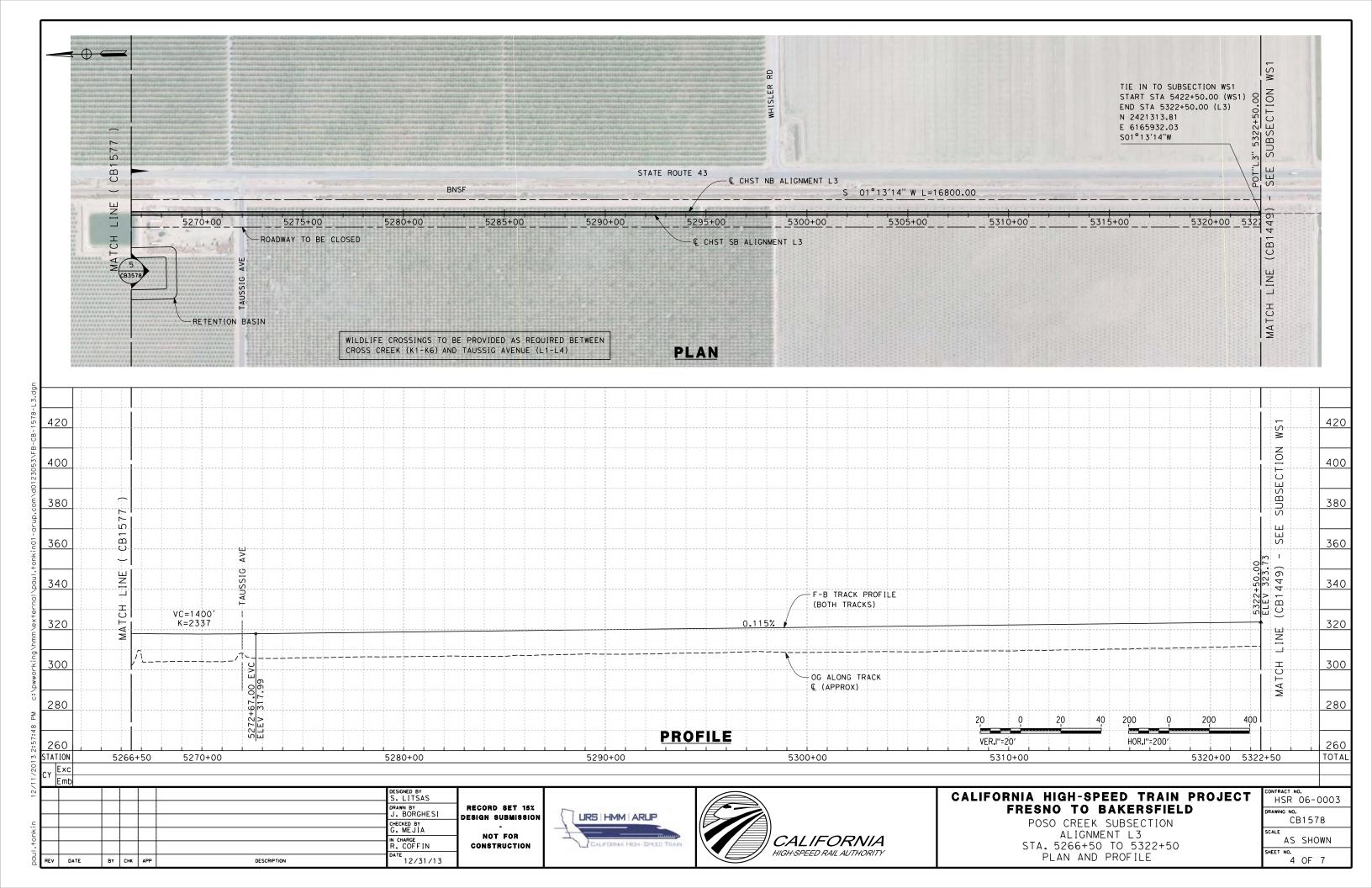
CALIFORNIA HIGH-SPEED TRAIN PROJECT FRESNO TO BAKERSFIELD

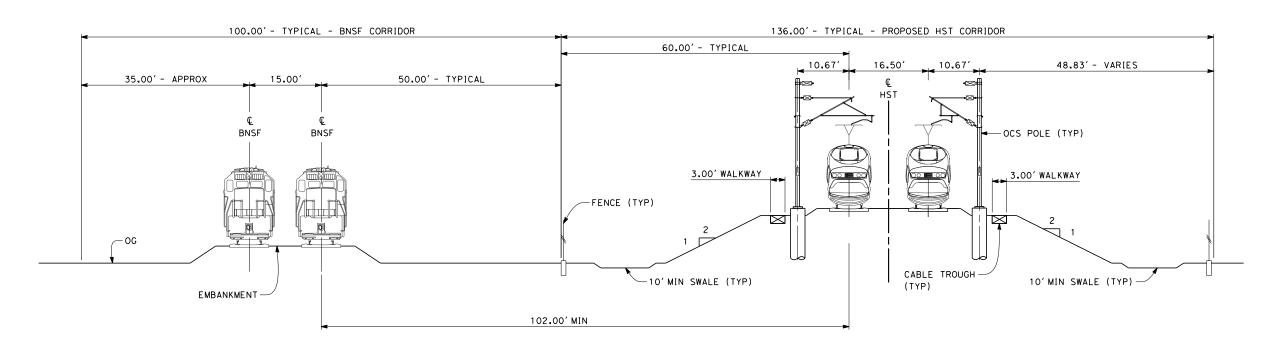
CONTRACT NO. HSR 06-0003 DRAWING NO. CB3554 SCALE AS SHOWN SHEET NO.					
DRAWING NO. CB3554 SCALE AS SHOWN					
CB3554 SCALE AS SHOWN	H:	SR	06-	0003	
SCALE AS SHOWN	DRAWIN				
AS SHOWN		CE	3355	54	
	SCALE				
SHEET NO.		AS	SHO	NWC	
	SHEET	NO.			
13 OF 13		13	OF	13	







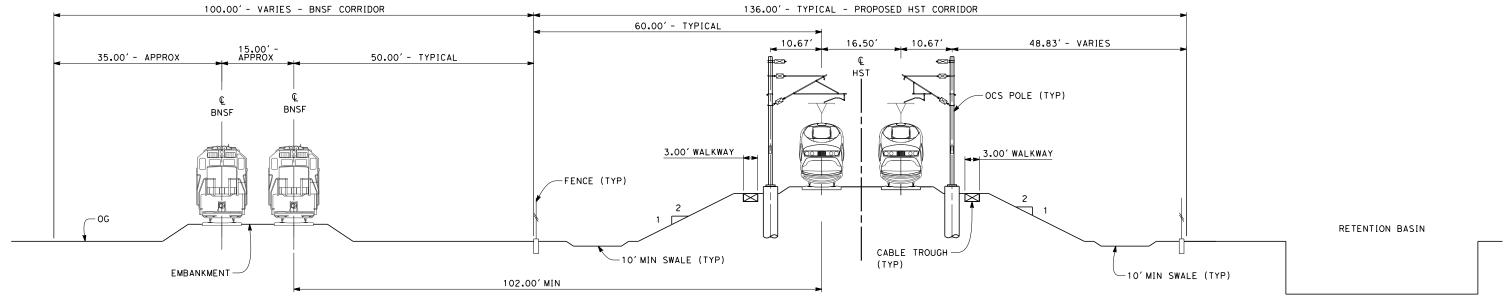




- 1. TRACKFORM SHOWN IS INDICATIVE
- 2. FOR STRUCTURE DIMENSIONS SEE STRUCTURAL CROSS SECTIONS
- 3. SUPERELEVATION IS NOT SHOWN.
 THE AMOUNT OF APPLIED
 SUPERELEVATION IS SHOWN IN THE
 CURVE DATA TABLES

SECTION 1

TWIN TRACK - ADJACENT TO TWIN TRACK BNSF STA 5154+50 THROUGH STA 5165+70 STA 5191+50 THROUGH STA 5206+00



SECTION 2

TWIN TRACK - BETWEEN BNSF AND REALIGNED RETENTION BASIN STA 5165+70 THROUGH STA 5191+50

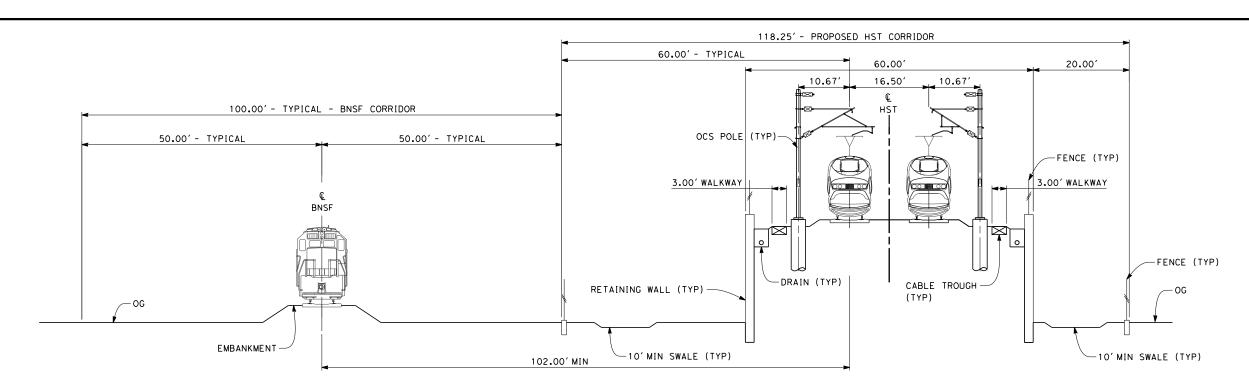
						DESIGNED BY S. LITSAS	
						DRAWN BY J. BORGHESI	RECORD SET 15%
						CHECKED BY	DESIGN SUBMISSION
						G. MEJIA In charge	NOT FOR
						R. COFFIN	CONSTRUCTION
REV	DATE	ВΥ	СНК	APP	DESCRIPTION	12/31/13	





CALIFORNIA HIGH-SPEED TRAIN PROJECT FRESNO TO BAKERSFIELD

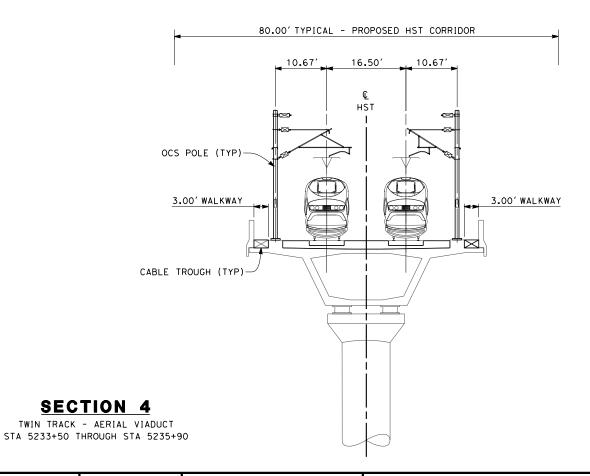
CONTR				
H	SR	06-	0003	
DRAWIN	IG NO.			
	CI	335	76	
SCALE				
	AS	SHO	NWC	
SHEET	NO.			
	5	OF	7	



- 1. TRACKFORM SHOWN IS INDICATIVE
- 2. FOR STRUCTURE DIMENSIONS SEE STRUCTURAL CROSS SECTIONS
- 3. SUPERELEVATION IS NOT SHOWN.
 THE AMOUNT OF APPLIED
 SUPERELEVATION IS SHOWN IN THE
 CURVE DATA TABLES

SECTION 3

TWIN TRACK ADJACENT TO BNSF - RETAINED EMBANKENT STA 5206+00 THROUGH STA 5233+50 STA 5235+90 THROUGH STA 5262+35





					DESIGNED BY S. LITSAS	
					DRAWN BY J. BORGHESI	1_
					CHECKED BY	D
					G. MEJIA	ĺ
	1		├		IN CHARGE	ı
					R. COFFIN	ı
REV DATE	ВΥ	СНК	APP	DESCRIPTION	DATE 12/31/13	İ

RECORD SET 15%
DESIGN SUBMISSION
-NOT FOR
CONSTRUCTION





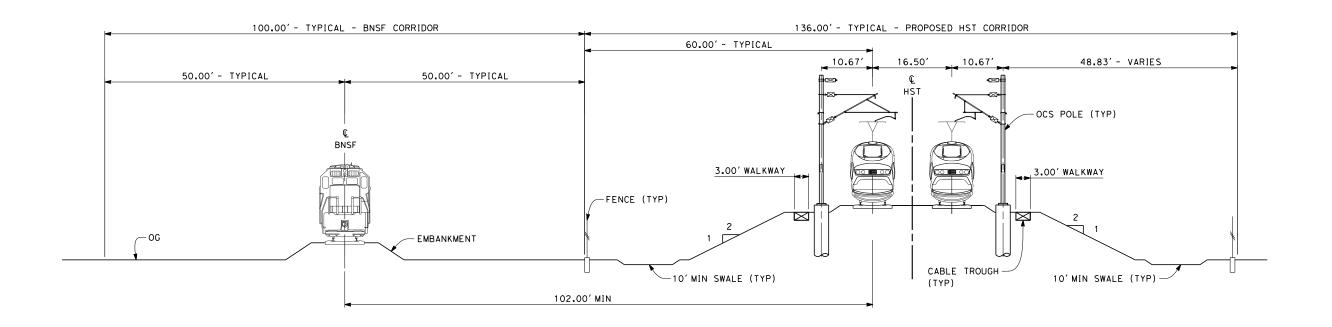
CALIFORNIA HIGH-SPEED TRAIN PROJECT FRESNO TO BAKERSFIELD

POSO CREEK SUBSECTION
ALIGNMENT L3
TYPICAL SECTIONS

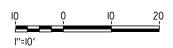
CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB3577
SCALE
AS SHOWN

6 OF 7

- 1. TRACKFORM SHOWN IS INDICATIVE
- 2. FOR STRUCTURE DIMENSIONS SEE STRUCTURAL CROSS SECTIONS
- 3. SUPERELEVATION IS NOT SHOWN.
 THE AMOUNT OF APPLIED
 SUPERELEVATION IS SHOWN IN THE
 CURVE DATA TABLES



TWIN TRACK - ADJACENT TO BNSF STA 5262+35 THROUGH STA 5322+50



						DESIGNED BY S. LITSAS	
						DRAWN BY J. BORGHESI	RECORD
						CHECKED BY	DESIGN S
						G. MEJIA IN CHARGE	пол
						R. COFFIN	CONST
REV	DATE	ВΥ	СНК	APP	DESCRIPTION	12/31/13	

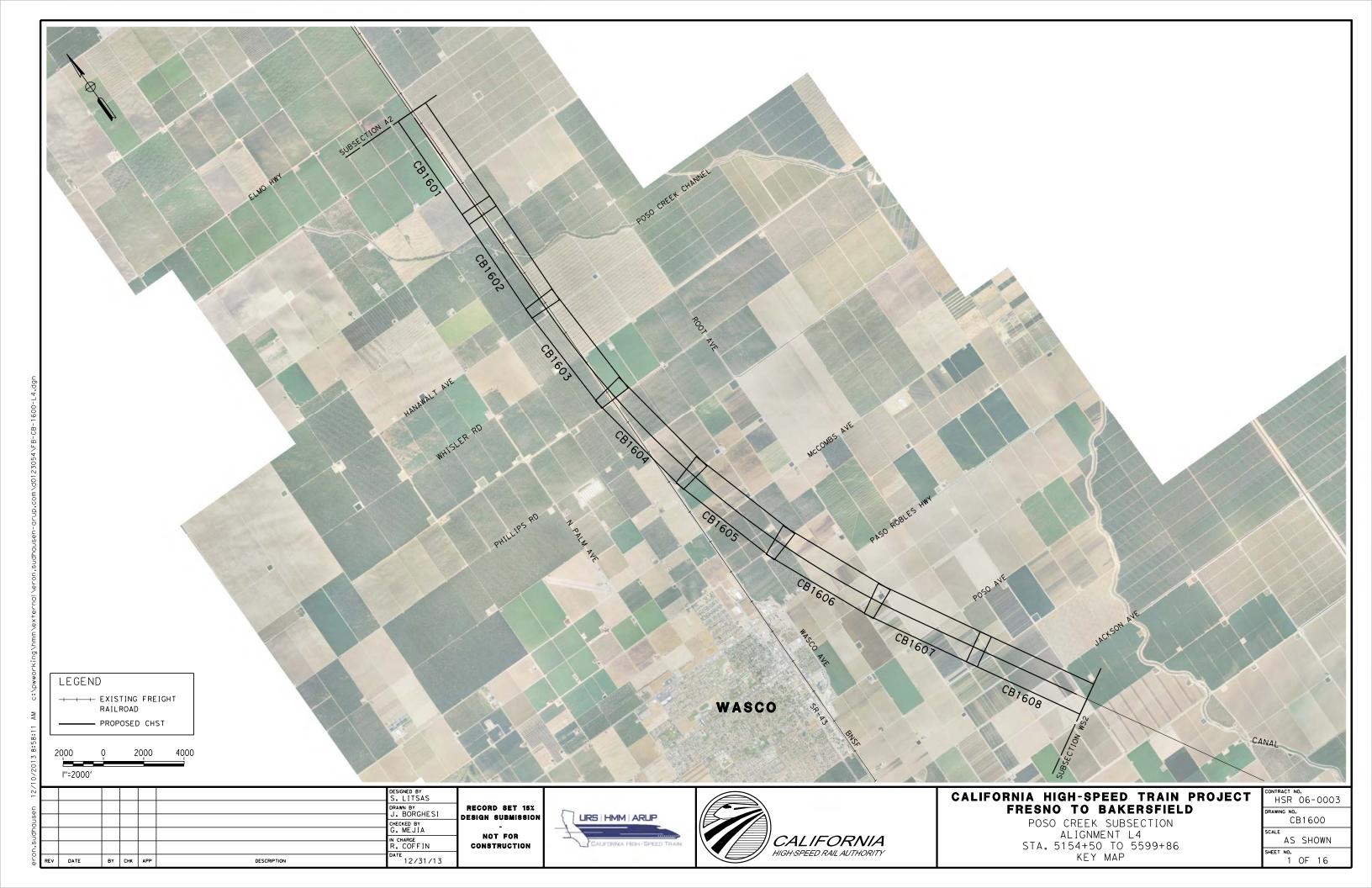


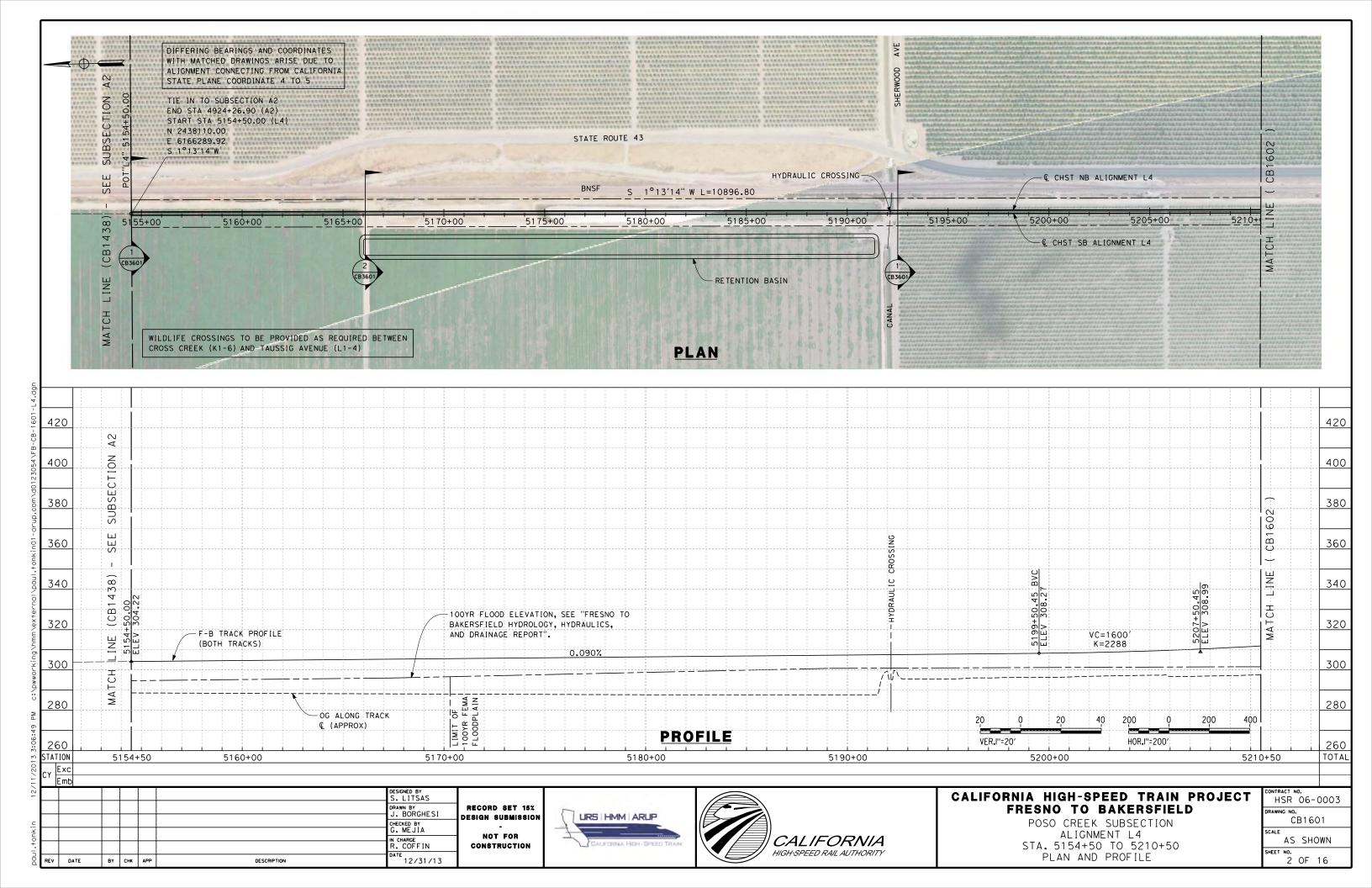


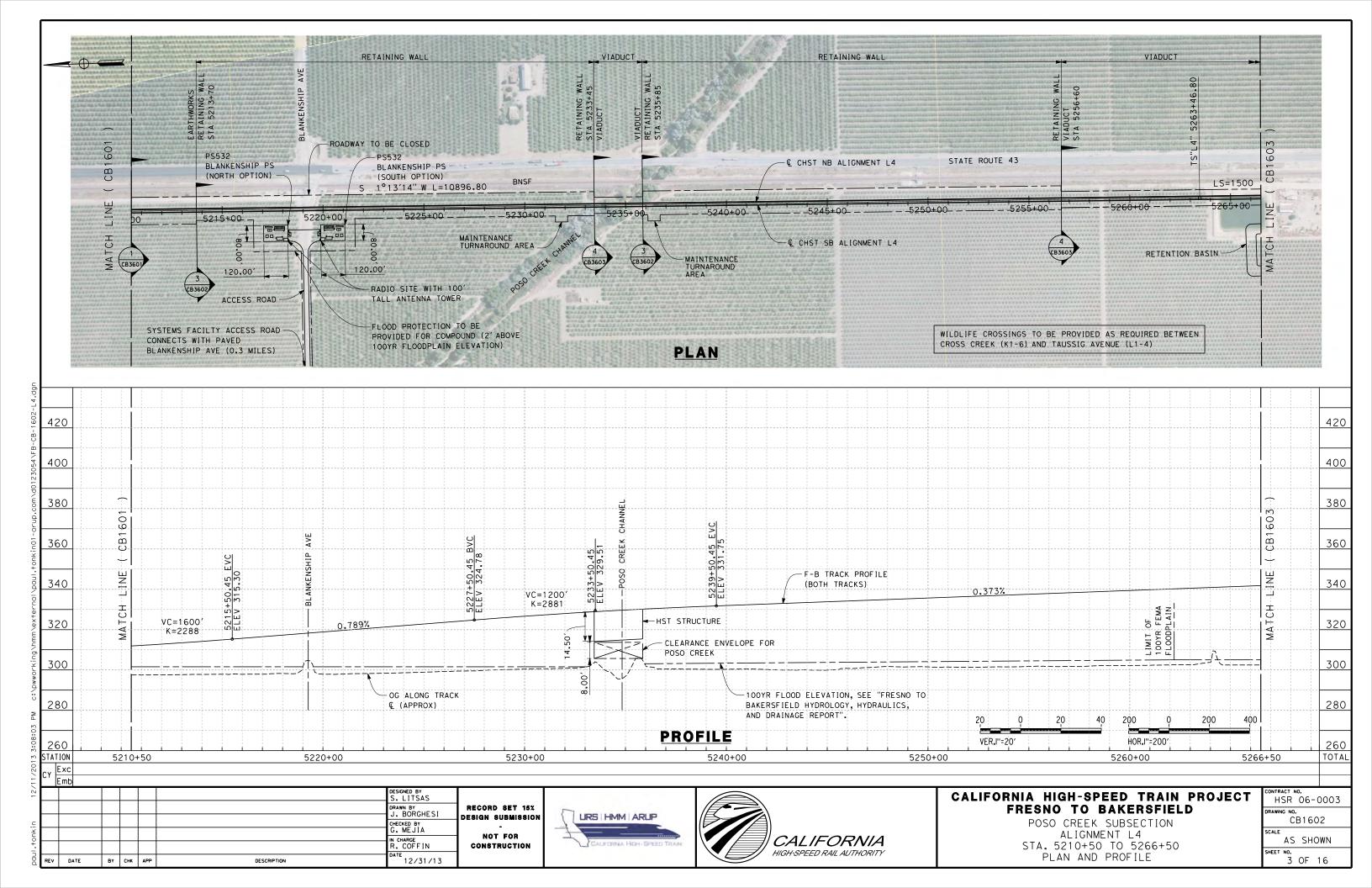


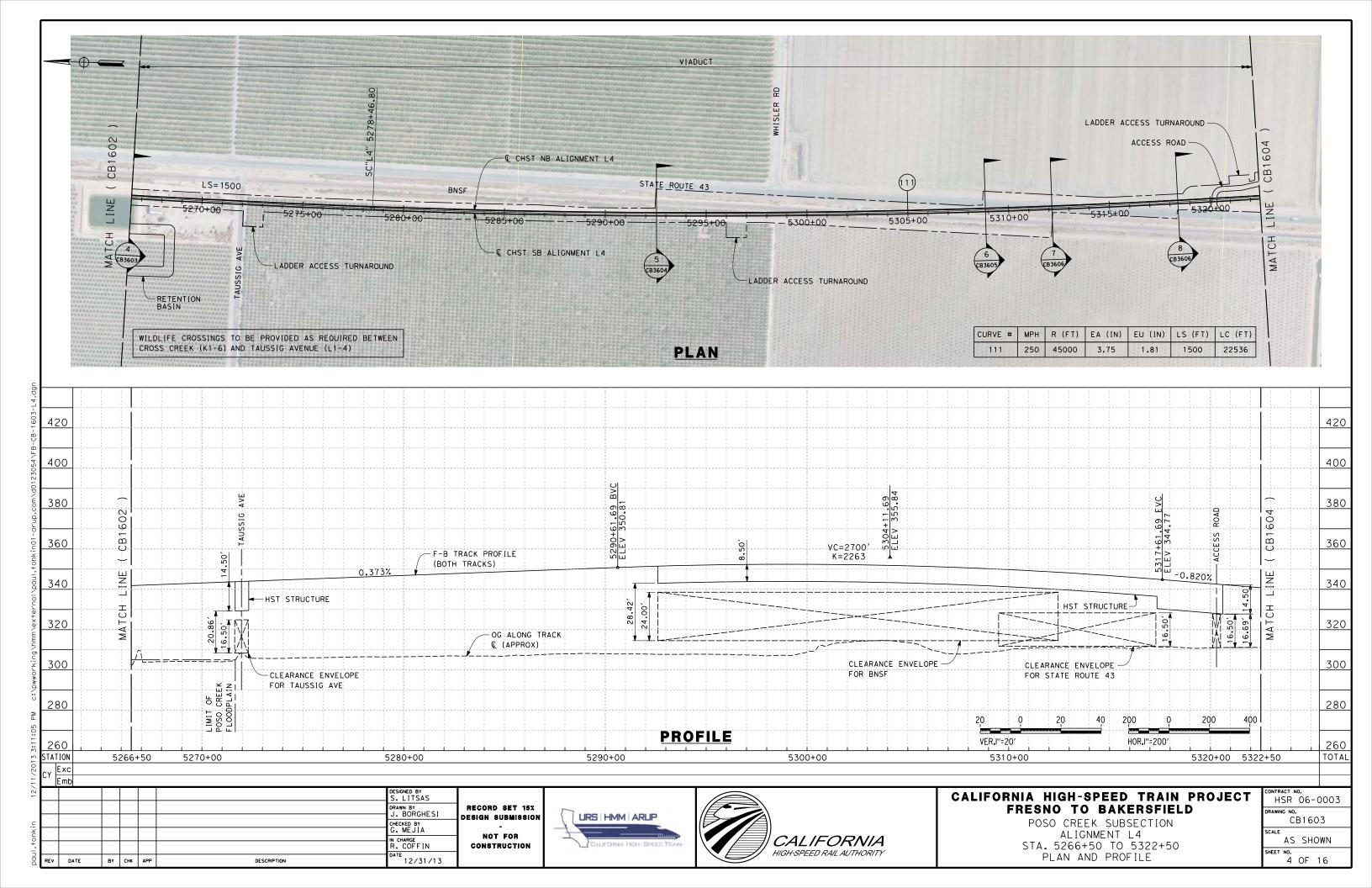
CALIFORNIA HIGH-SPEED TRAIN PROJECT FRESNO TO BAKERSFIELD

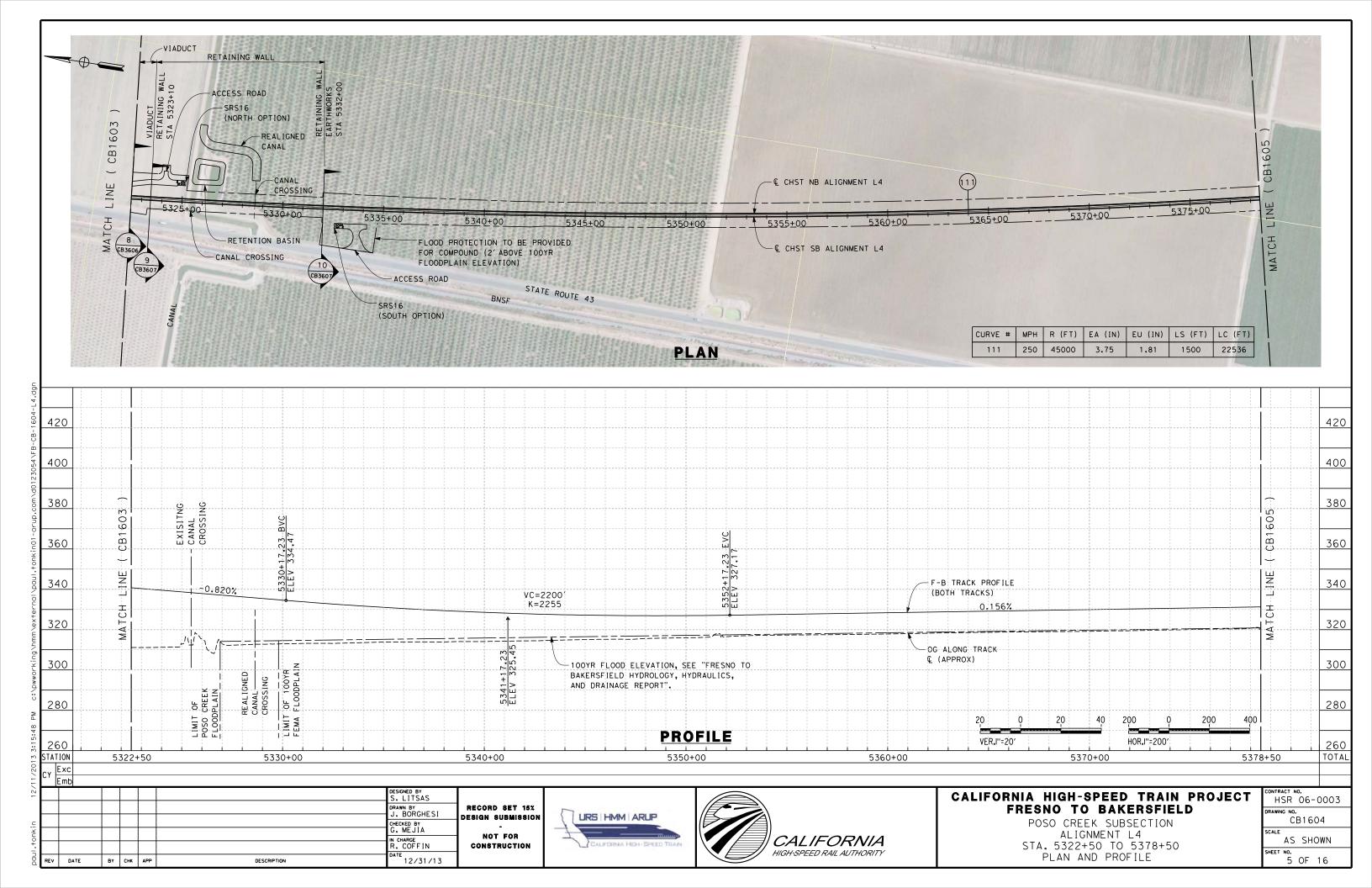
CONTRACT NO. HSR 06-0003
DRAWING NO. CB3578
SCALE AS SHOWN
SHEET NO. 7 OF 7

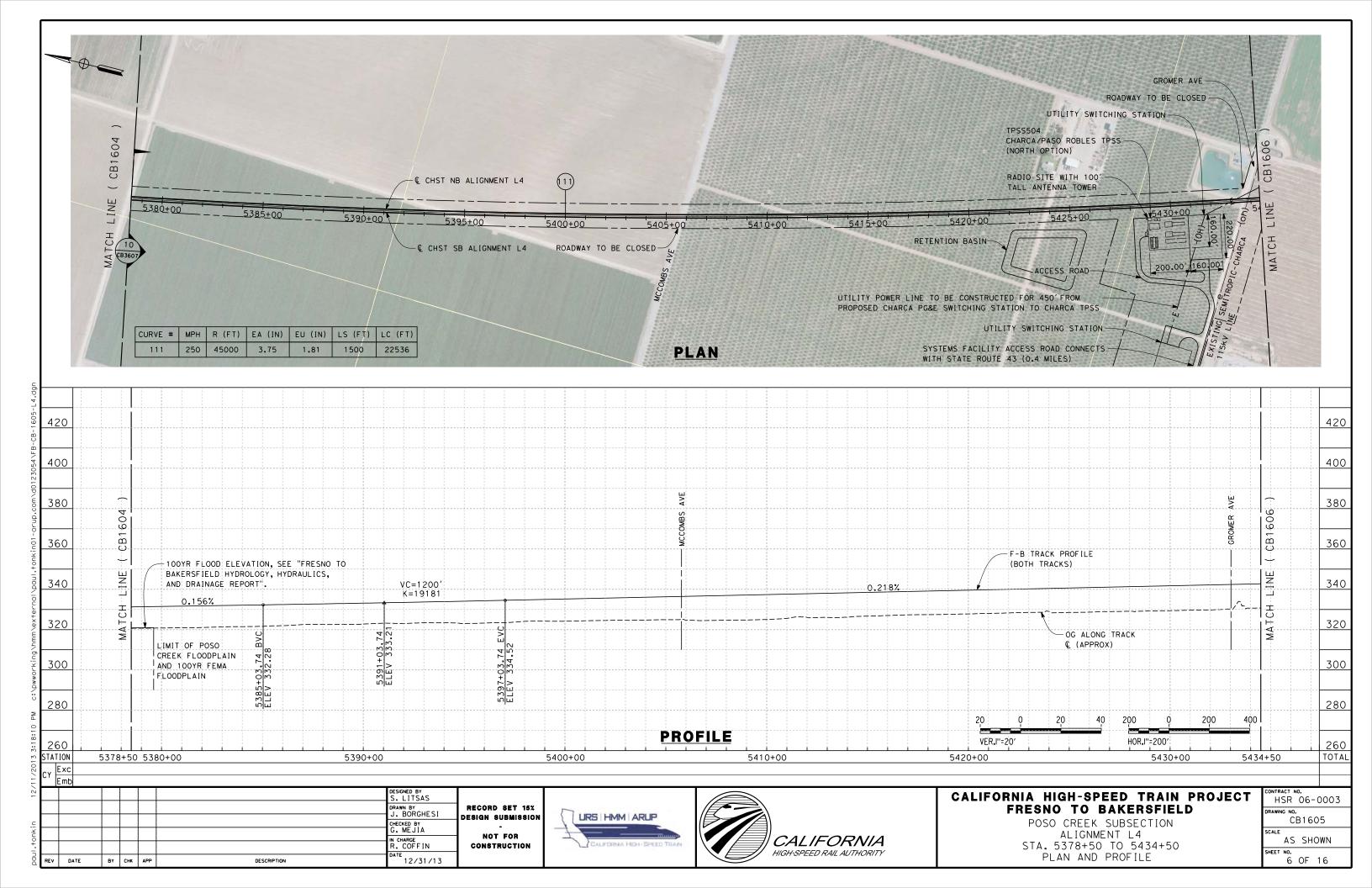


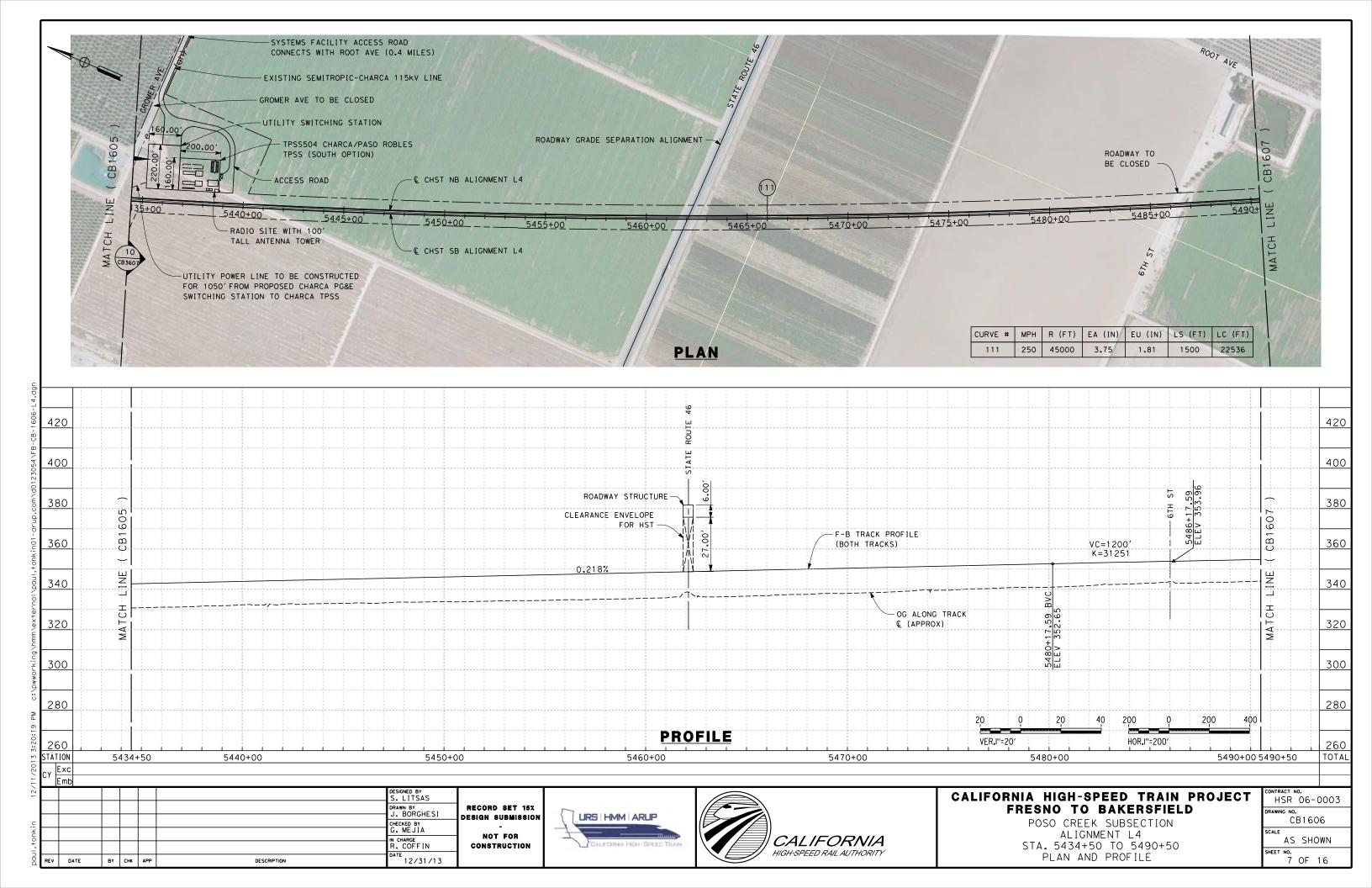


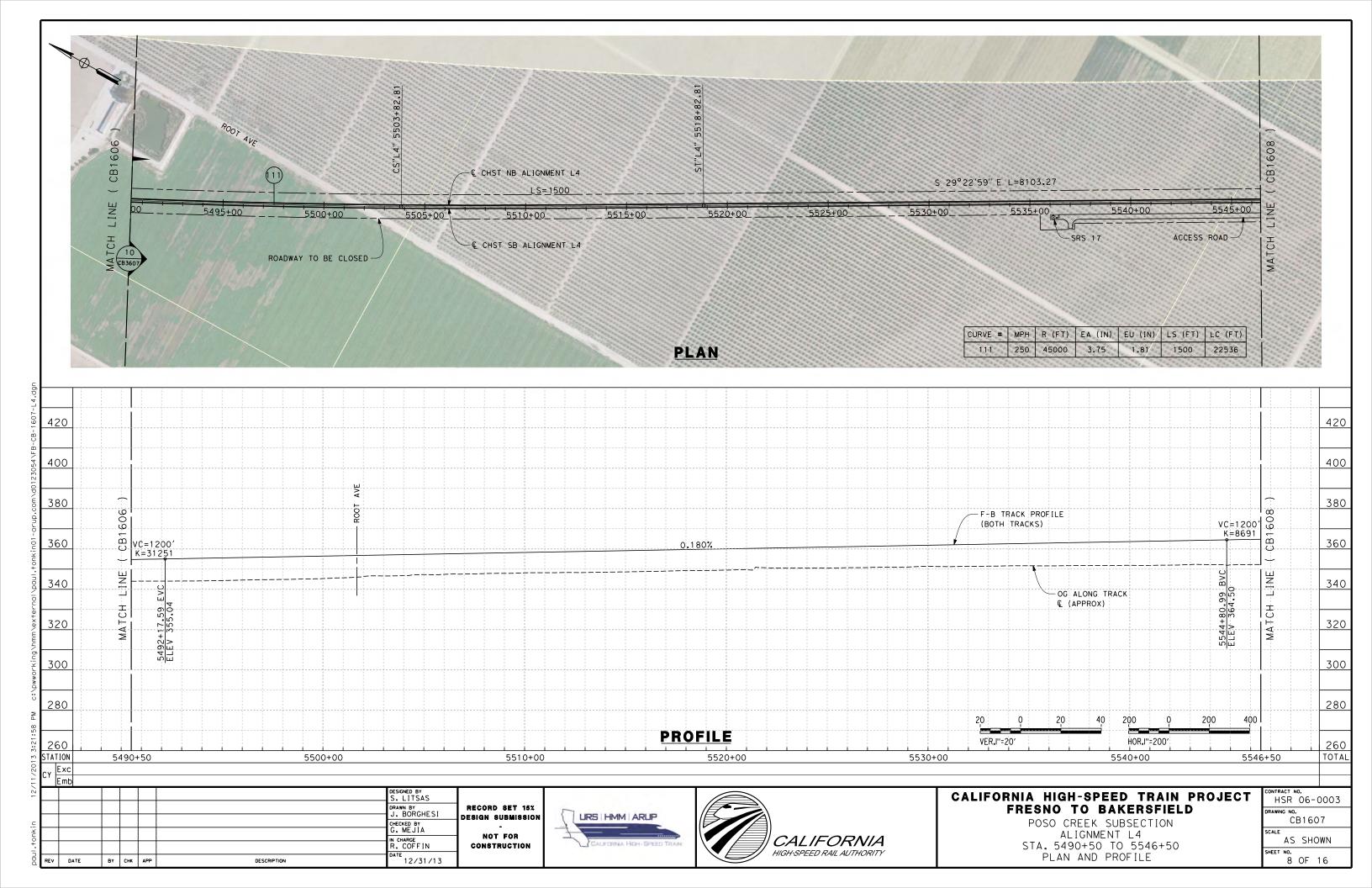


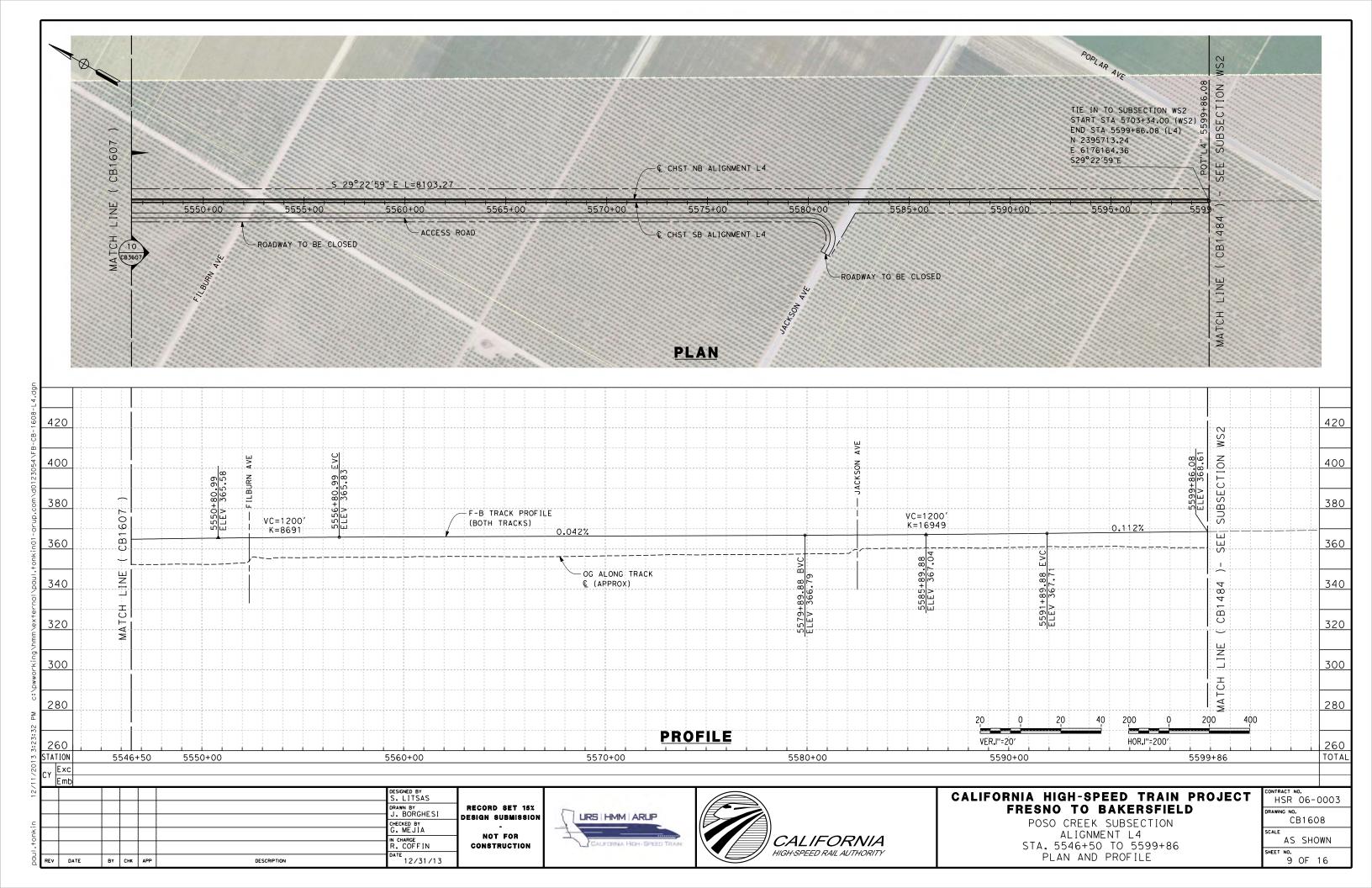


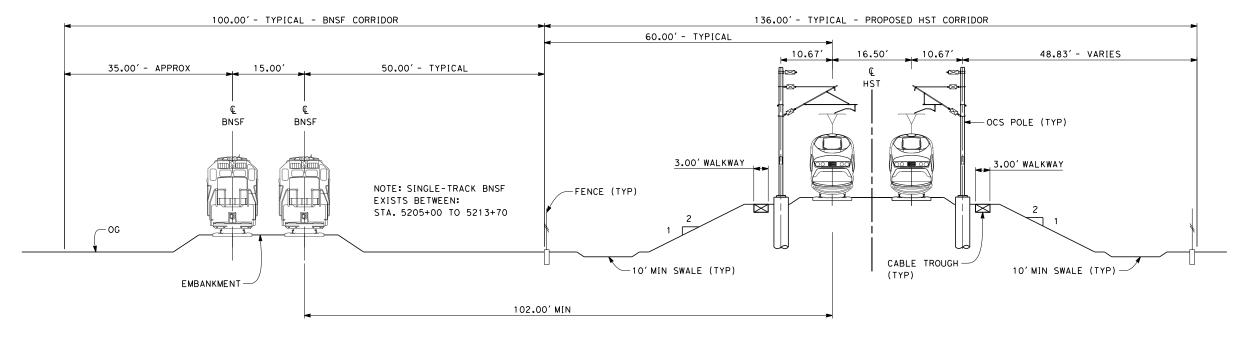








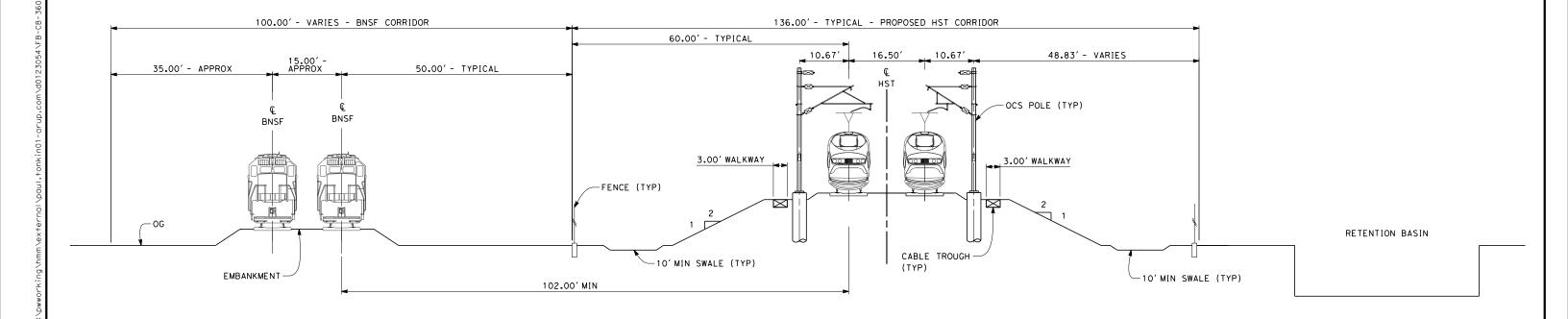




- 1. TRACKFORM SHOWN IS INDICATIVE
- 2. FOR STRUCTURE DIMENSIONS SEE STRUCTURAL CROSS SECTIONS
- 3. SUPERELEVATION IS NOT SHOWN.
 THE AMOUNT OF APPLIED
 SUPERELEVATION IS SHOWN IN
 THE CURVE DATA TABLES.

SECTION 1

TWIN TRACK ADJACENT TO BNSF STA 5154+50 THROUGH STA 5166+10 STA 5192+50 THROUGH STA 5213+70



SECTION 2

TWIN TRACK ADJACENT TO BNSF AND REALIGNED RETENTION BASIN STA 5166+10 THROUGH STA 5192+50



						DESIGNED BY S. LITSAS	
						DRAWN BY J. BORGHESI	RECORD SET 15%
						CHECKED BY	DESIGN SUBMISSION
						IN CHARGE	NOT FOR
						R. COFFIN	CONSTRUCTION
REV	DATE	BY	СНК	APP	DESCRIPTION	12/31/13	

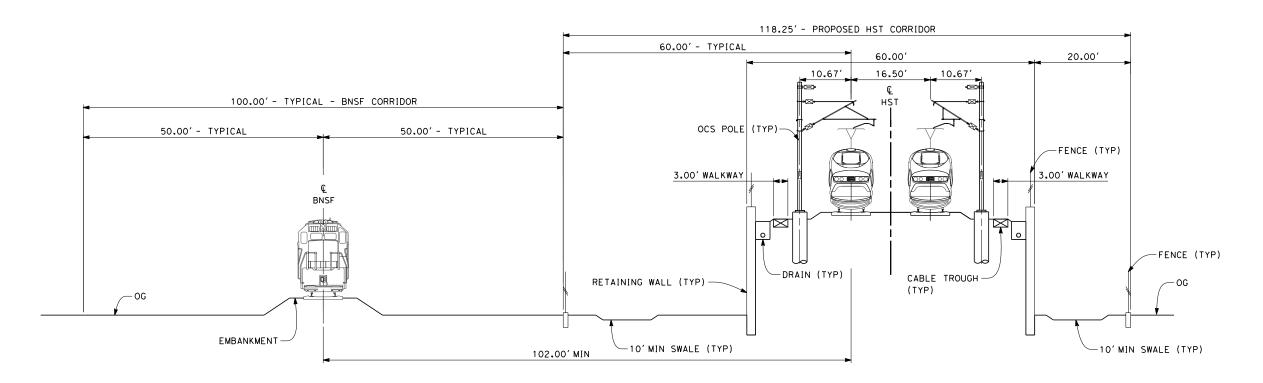




CALIFORNIA HIGH-SPEED TRAIN PROJECT FRESNO TO BAKERSFIELD

CONTRACT NO. HSR 06-0003
DRAWING NO.
CB3601
SCALE
AS SHOWN
SHEET NO.
10 OF 16

- 1. TRACKFORM SHOWN IS INDICATIVE
- 2. FOR STRUCTURE DIMENSIONS SEE STRUCTURAL CROSS SECTIONS
- 3. SUPERELEVATION IS NOT SHOWN. THE AMOUNT OF APPLIED SUPERELEVATION IS SHOWN IN THE CURVE DATA TABLES.



TWIN TRACKS ADJACENT TO BNSF - RETAINED EMBANKMENT STA 5213+70 THROUGH STA 5233+45 STA 5235+85 THROUGH STA 5256+60

ΙŌ	Ō	ΙŅ	20
I''=10 <i>'</i>			

1							DESIGNED BY S. LITSAS	
							DRAWN BY J. BORGHESI	RE
							CHECKED BY	DE8I
							IN CHARGE	
							R. COFFIN	cc
_	REV	DATE	BY	СНК	APP	DESCRIPTION	12/31/13	

ECORD SET 15% URS HMM ARUP SIGN SUBMISSION CONSTRUCTION

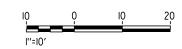
NOT FOR



CALIFORNIA HIGH-SPEED TRAIN PROJECT FRESNO TO BAKERSFIELD

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB3602
SCALE
AS SHOWN
SHEET NO.
11 OF 16

TWIN TRACK - AERIAL VIADUCT ADJACENT TO BNSF STA 5233+45 THROUGH STA 5235+85 STA 5256+60 THROUGH STA 5292+60



NOTES:

1. TRACKFORM SHOWN IS INDICATIVE 2. FOR STRUCTURE DIMENSIONS SEE STRUCTURAL CROSS SECTIONS 3. SUPERELEVATION IS NOT SHOWN. THE AMOUNT OF APPLIED SUPERELEVATION IS SHOWN IN

THE CURVE DATA TABLES.

DESIGNED BY S. LITSAS DRAWN BY J. BORGHESI RECORD SET 15% DESIGN SUBMISSION CHECKED BY N CHARGE R. COFFIN CONSTRUCTION E 12/31/13 DATE BY CHK APP DESCRIPTION



EMBANKMENT -

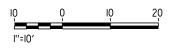
NOT FOR



CALIFORNIA HIGH-SPEED TRAIN PROJECT FRESNO TO BAKERSFIELD

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB3603
SCALE
AS SHOWN
SHEET NO.
12 OF 16

- 1. TRACKFORM SHOWN IS INDICATIVE
- 2. FOR STRUCTURE DIMENSIONS SEE STRUCTURAL CROSS SECTIONS
- 3. SUPERELEVATION IS NOT SHOWN.
 THE AMOUNT OF APPLIED
 SUPERELEVATION IS SHOWN IN
 THE CURVE DATA TABLES.
- 4. PER CALTRANS HIGHWAY DESIGN MANUAL REQUIREMENTS, A HIGHWAY BARRIER IS REQUIRED WHEN ADEQUATE HORIZONTAL CLEARANCE BETWEEN ROADWAY TRAVELED WAY AND HST COLUMN IS NOT MET, STA 5292+60 TO 5320+30



RECORD SET 15%
DESIGN SUBMISSION
NOT FOR
CONSTRUCTION





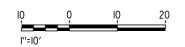
CALIFORNIA HIGH-SPEED TRAIN PROJECT FRESNO TO BAKERSFIELD

CONTRA			0003
DRAWIN		360)4
SCALE			
	AS	SHC	NWO
SHEET	NO.		
	13	OF	16

- 1. TRACKFORM SHOWN IS INDICATIVE
 - 2. FOR STRUCTURE DIMENSIONS SEE STRUCTURAL CROSS SECTIONS
 - 3. SUPERELEVATION IS NOT SHOWN.
 THE AMOUNT OF APPLIED
 SUPERELEVATION IS SHOWN IN
 THE CURVE DATA TABLES.
 - 4. PER CALTRANS HIGHWAY DESIGN
 MANUAL REQUIREMENTS, A HIGHWAY
 BARRIER IS REQUIRED WHEN
 ADEQUATE HORIZONTAL CLEARANCE
 BETWEEN ROADWAY TRAVELED WAY AND
 HST COLUMN IS NOT MET, STA
 5292+60 TO 5320+30

SECTION 6

TWIN TRACK - ELEVATED SLAB OVER HIGHWAY AND BNSF STA 5308+85 THROUGH STA 5312+15



						DESIGNED BY S. LITSAS	
						DRAWN BY J. BORGHESI	RECORD SET 15%
						CHECKED BY	DESIGN SUBMISSION
						G. MEJIA In charge	NOT FOR
						R. COFFIN	CONSTRUCTION
REV	DATE	ВΥ	СНК	APP	DESCRIPTION	DATE 12/31/13	

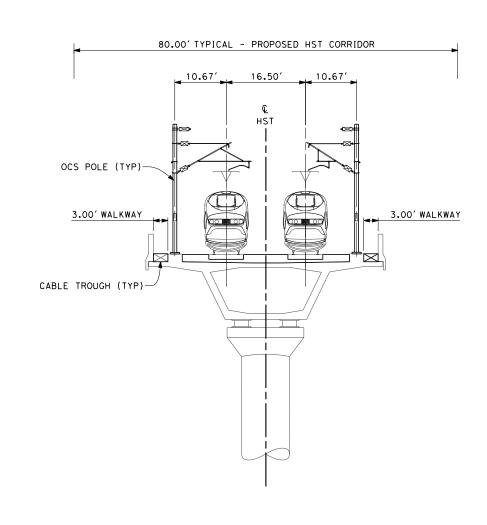




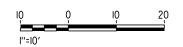
CALIFORNIA HIGH-SPEED TRAIN PROJECT FRESNO TO BAKERSFIELD

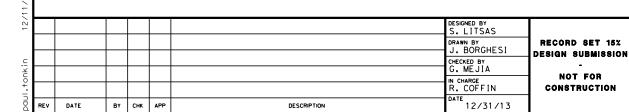
CONTR.			0003	
DRAWIN		360)5	
SCALE				
	AS	SHC	NWC	
SHEET	NO.			
	14	OF	16	

- 1. TRACKFORM SHOWN IS INDICATIVE
- 2. FOR STRUCTURE DIMENSIONS SEE STRUCTURAL CROSS SECTIONS
- 3. SUPERELEVATION IS NOT SHOWN.
 THE AMOUNT OF APPLIED
 SUPERELEVATION IS SHOWN IN
 THE CURVE DATA TABLES.
- 4. PER CALTRANS HIGHWAY DESIGN
 MANUAL REQUIREMENTS, A HIGHWAY
 BARRIER IS REQUIRED WHEN
 ADEQUATE HORIZONTAL CLEARANCE
 BETWEEN ROADWAY TRAVELED WAY
 AND HST COLUMN IS NOT MET, STA
 5292+60 TO 5320+30



TWIN TRACK - AERIAL VIADUCT STA 5318+25 THROUGH STA 5323+10





VARIES 85.45' TO 122.55'

_ 10.67′

OCS POLE

(TYP)

3.00'

og —

WALKWAY

VARIES

16.50′

HST

CABLE TROUGH (TYP)

VARIES - STATE ROUTE 43

VARIES

SECTION 7

STA 5312+15 THROUGH STA 5318+25

TWIN TRACK - ELEVATED SLAB OVER HIGHWAY ADJACENT TO BNSF

HST & - LOCATION VARIES

10.67

3.00′

WALKWAY

25.00' MIN VARIES

POSSIBLE FUTURE

BNSF



25.00' - TYPICAL

100.00' - VARIES - BNSF CORRIDOR

BNSF



50.00' - TYPICAL

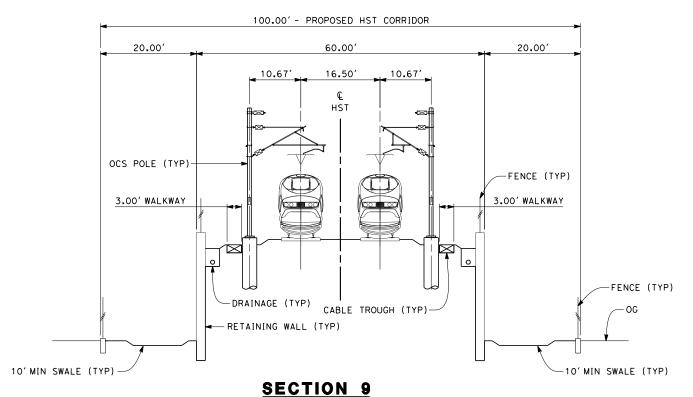
CALIFORNIA HIGH-SPEED TRAIN PROJECT FRESNO TO BAKERSFIELD

POSO CREEK SUBSECTION
ALIGNMENT L4
TYPICAL SECTIONS

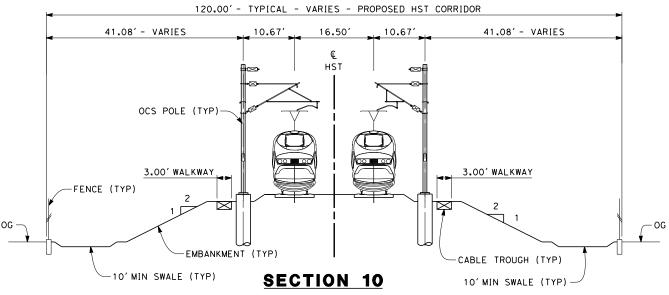
CONTRA			
H:	SR	06-0	003
DRAWIN	G NO.		
	CE	33606	5
SCALE			
	AS	SHO	۷N
CHEET			

15 OF 16

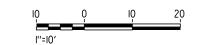
1.20mmorking\ban\external_ing\langlestex



TWIN TRACK - RETAINED EMBANKMENT WITH OPEN DRAINAGE STA 5323+10 THROUGH STA 5332+00



TWIN TRACK - EMBANKMENT WITH OPEN DRAINAGE STA 5332+00 THROUGH STA 5599+86



1. TRACKFORM SHOWN IS INDICATIVE

2. FOR STRUCTURE DIMENSIONS SEE STRUCTURAL CROSS SECTIONS

3. SUPERELEVATION IS NOT SHOWN.
THE AMOUNT OF APPLIED

SUPERELEVATION IS SHOWN IN THE CURVE DATA TABLES.

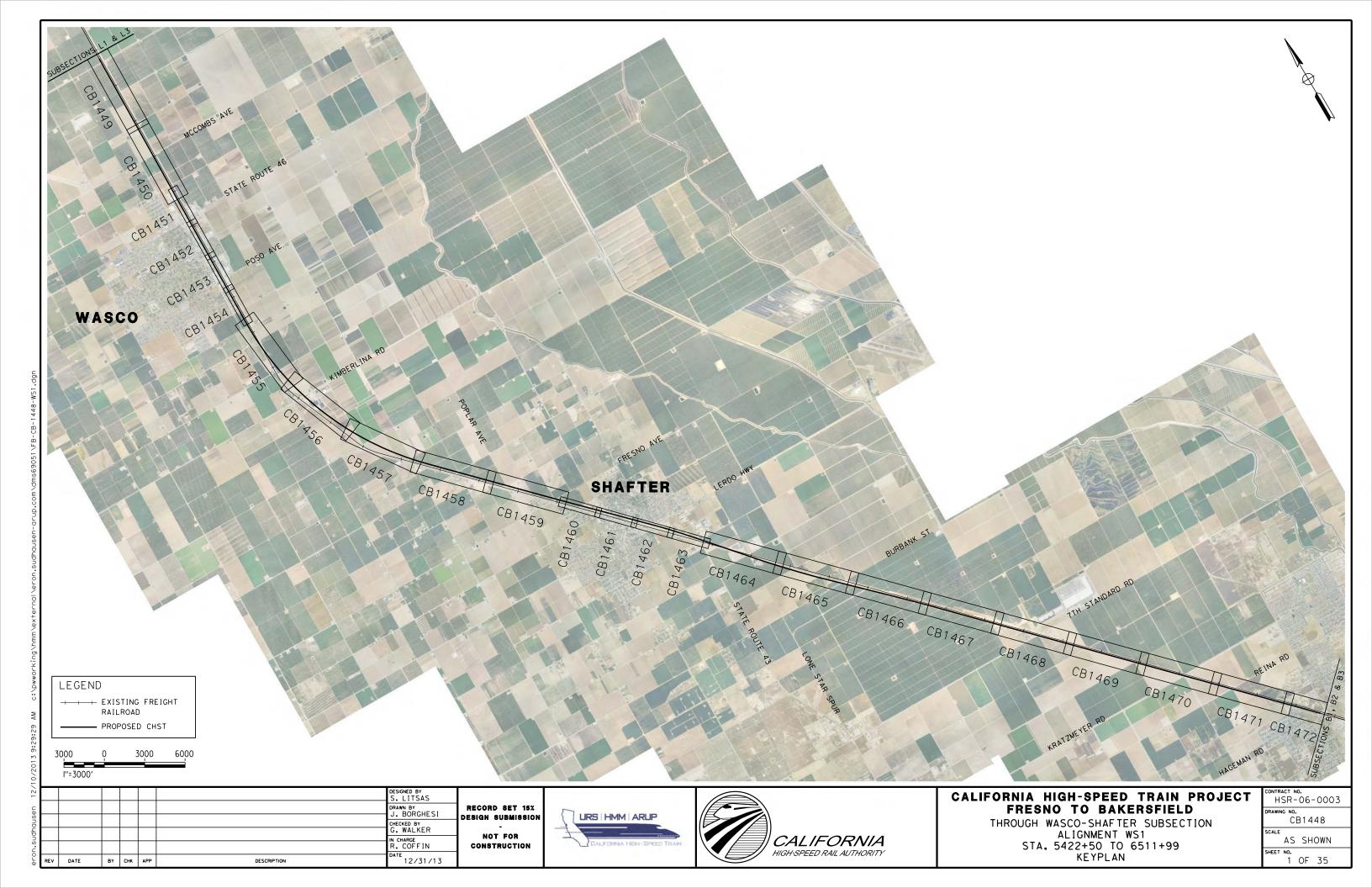
| DESCRIPTION | DESCRIPTION | DESCRIPTION | DESCRIPTION | DESCRIPTION | DESCRIPTION | DESCRIPTION | DESCRIPTION | DESCRIPTION | DESCRIPTION | DESCRIPTION | DESCRIPTION | DESCRIPTION | DESCRIPTION | DESCRIPTION | DESCRIPTION | DESCRIPTION | DESCRIPTION | DESCRIPTION | DESCRIPTION | DESCRIPTION | DESCRIPTION | DESCRIPTION | DESCRIPTION | DESCRIPTION | DESCRIPTION | DESCRIPTION | DESCRIPTION | DESCRIPTION | DESCRIPTION | DESCRIPTION | DESCRIPTION | DESCRIPTION | DESCRIPTION | DESCRIPTION | DESCRIPTION | DESCRIPTION | DESCRIPTION | DESCRIPTION | DESCRIPTION | DESCRIPTION | DESCRIPTION | DESCRIPTION | DESCRIPTION | DESCRIPTION | DESCRIPTION | DESCRIPTION | DESCRIPTION | DESCRIPTION | DESCRIPTION | DESCRIPTION | DESCRIPTION | DESCRIPTION | DESCRIPTION | DESCRIPTION | DESCRIPTION | DESCRIPTION | DESCRIPTION | DESCRIPTION | DESCRIPTION | DESCRIPTION | DESCRIPTION | DESCRIPTION | DESCRIPTION | DESCRIPTION | DESCRIPTION | DESCRIPTION | DESCRIPTION | DESCRIPTION | DESCRIPTION | DESCRIPTION | DESCRIPTION | DESCRIPTION | DESCRIPTION | DESCRIPTION | DESCRIPTION | DESCRIPTION | DESCRIPTION | DESCRIPTION | DESCRIPTION | DESCRIPTION | DESCRIPTION | DESCRIPTION | DESCRIPTION | DESCRIPTION | DESCRIPTION | DESCRIPTION | DESCRIPTION | DESCRIPTION | DESCRIPTION | DESCRIPTION | DESCRIPTION | DESCRIPTION | DESCRIPTION | DESCRIPTION | DESCRIPTION | DESCRIPTION | DESCRIPTION | DESCRIPTION | DESCRIPTION | DESCRIPTION | DESCRIPTION | DESCRIPTION | DESCRIPTION | DESCRIPTION | DESCRIPTION | DESCRIPTION | DESCRIPTION | DESCRIPTION | DESCRIPTION | DESCRIPTION | DESCRIPTION | DESCRIPTION | DESCRIPTION | DESCRIPTION | DESCRIPTION | DESCRIPTION | DESCRIPTION | DESCRIPTION | DESCRIPTION | DESCRIPTION | DESCRIPTION | DESCRIPTION | DESCRIPTION | DESCRIPTION | DESCRIPTION | DESCRIPTION | DESCRIPTION | DESCRIPTION | DESCRIPTION | DESCRIPTION | DESCRIPTION | DESCRIPTION | DESCRIPTION | DESCRIPTION | DESCRIPTION | DESCRIPTION | DESCRIPTION | DESCRIPTION | DESCRIPTION | DESCRIPTION | DESCRIPTION | DESCRIPTION | DESCRIPTION | DESCRIPTION | DESCRIPTION |

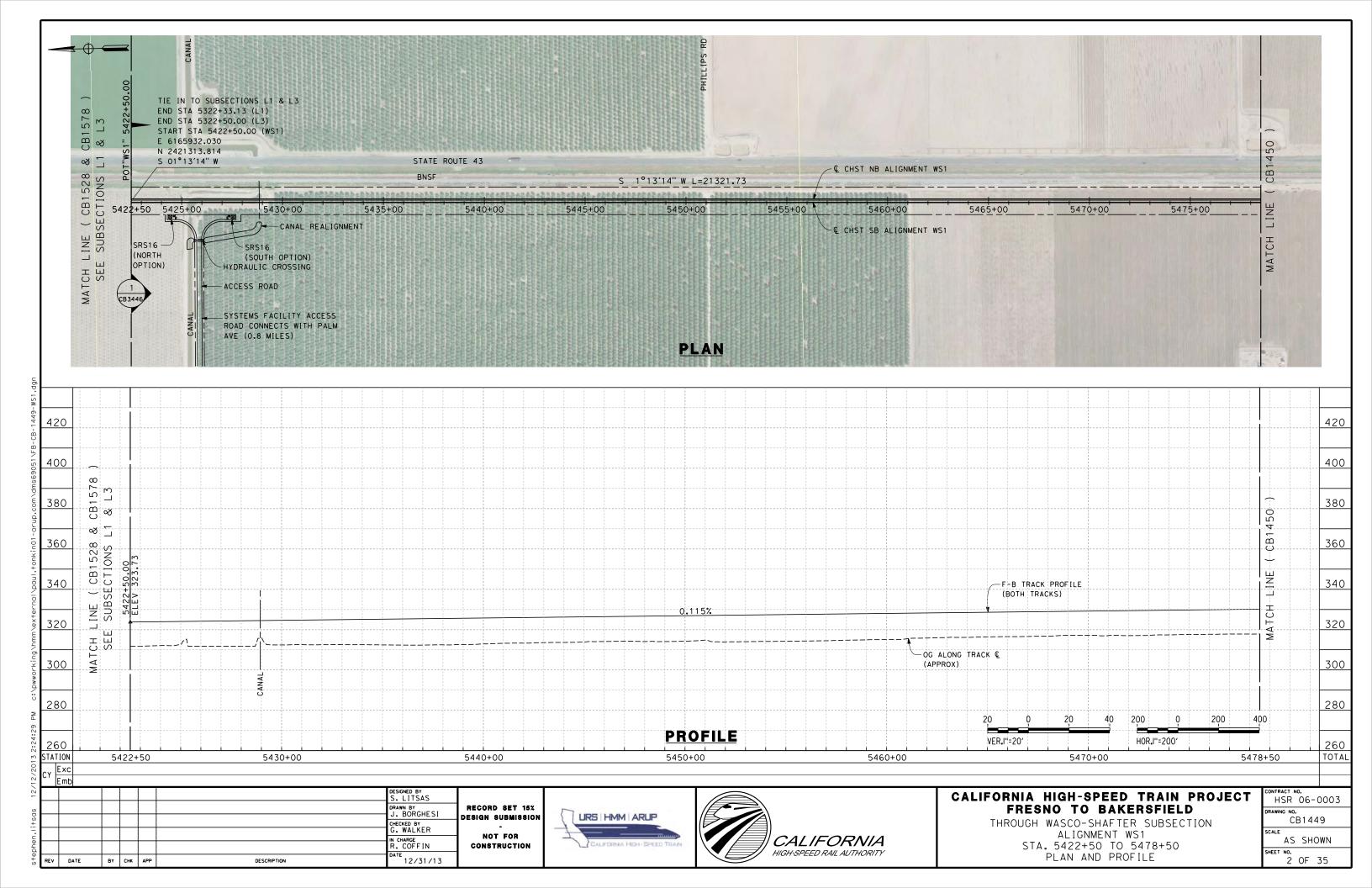


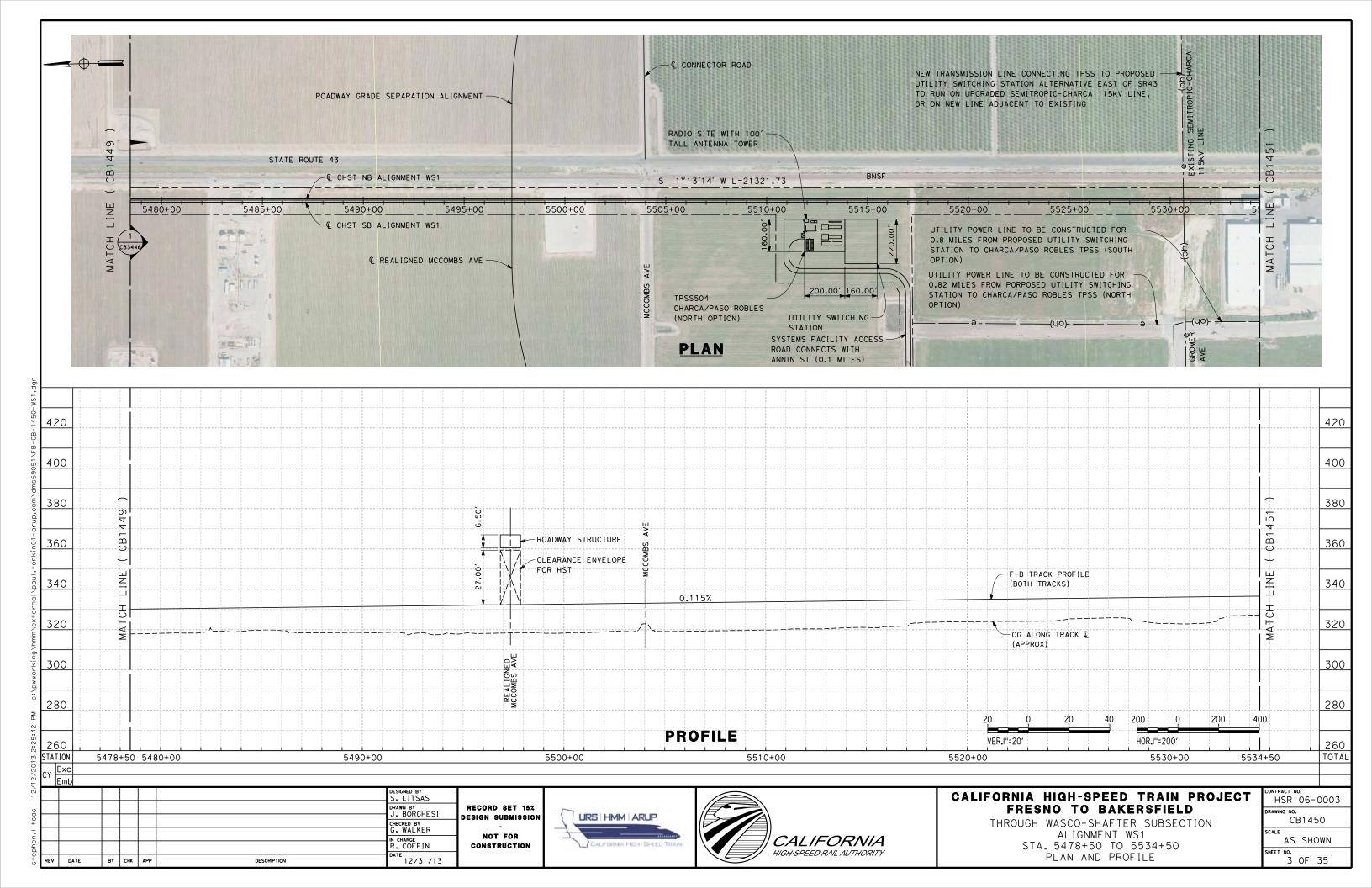


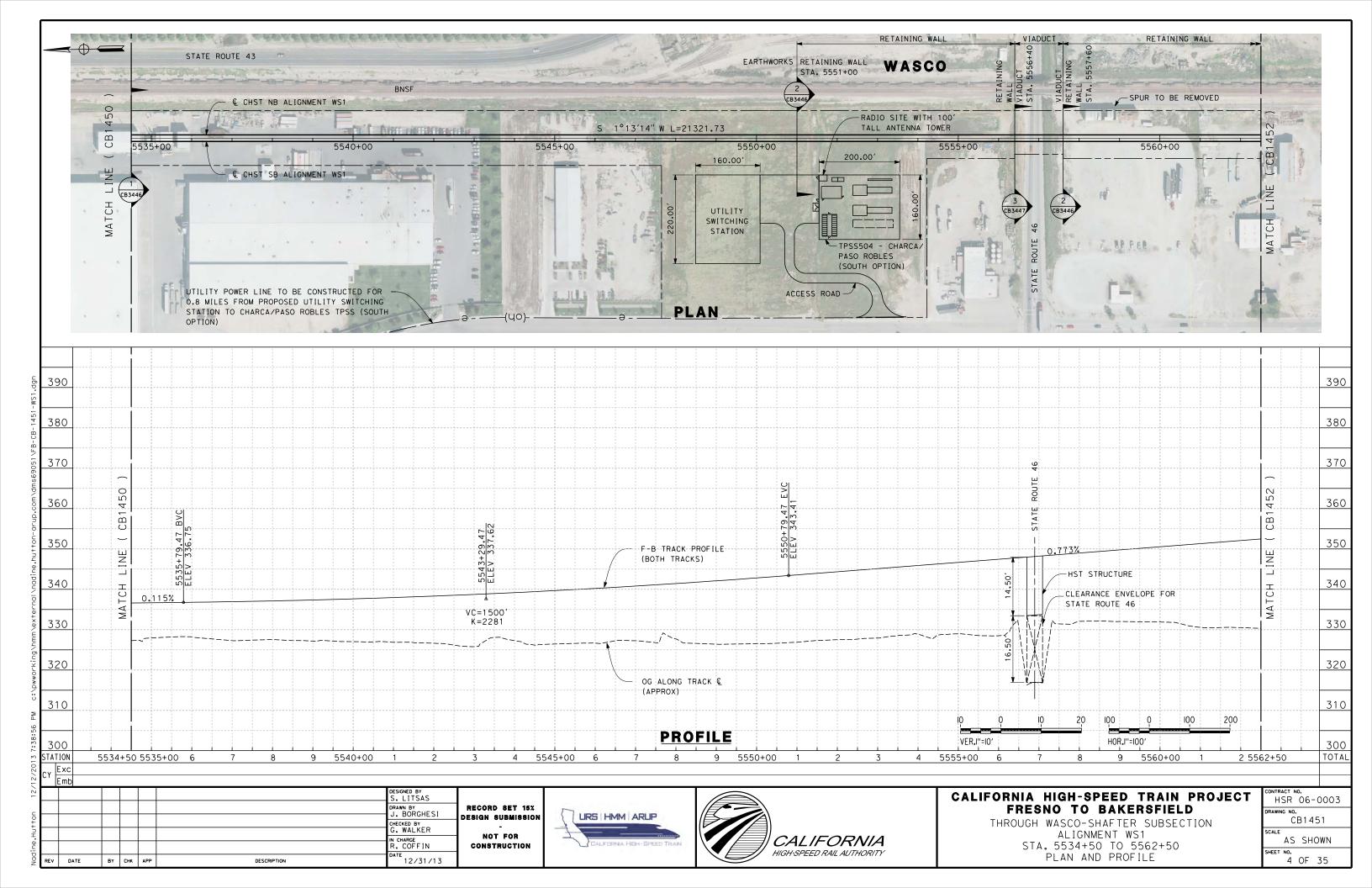
CALIFORNIA HIGH-SPEED TRAIN PROJECT FRESNO TO BAKERSFIELD

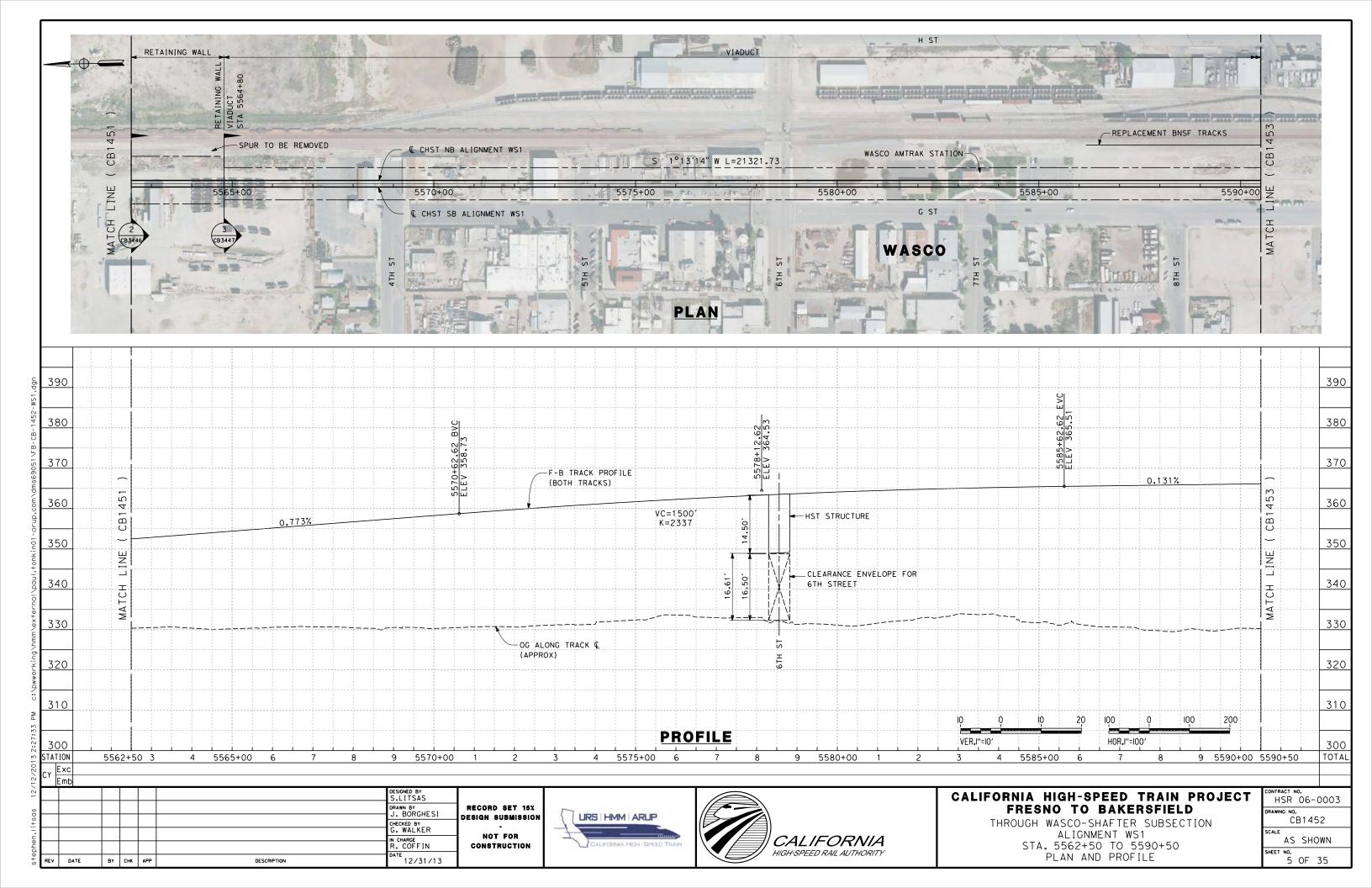
)	CONTRACT NO. HSR 06-0003
	DRAWING NO. CB3607
	SCALE AS SHOWN
	SHEET NO. 16 OF 16

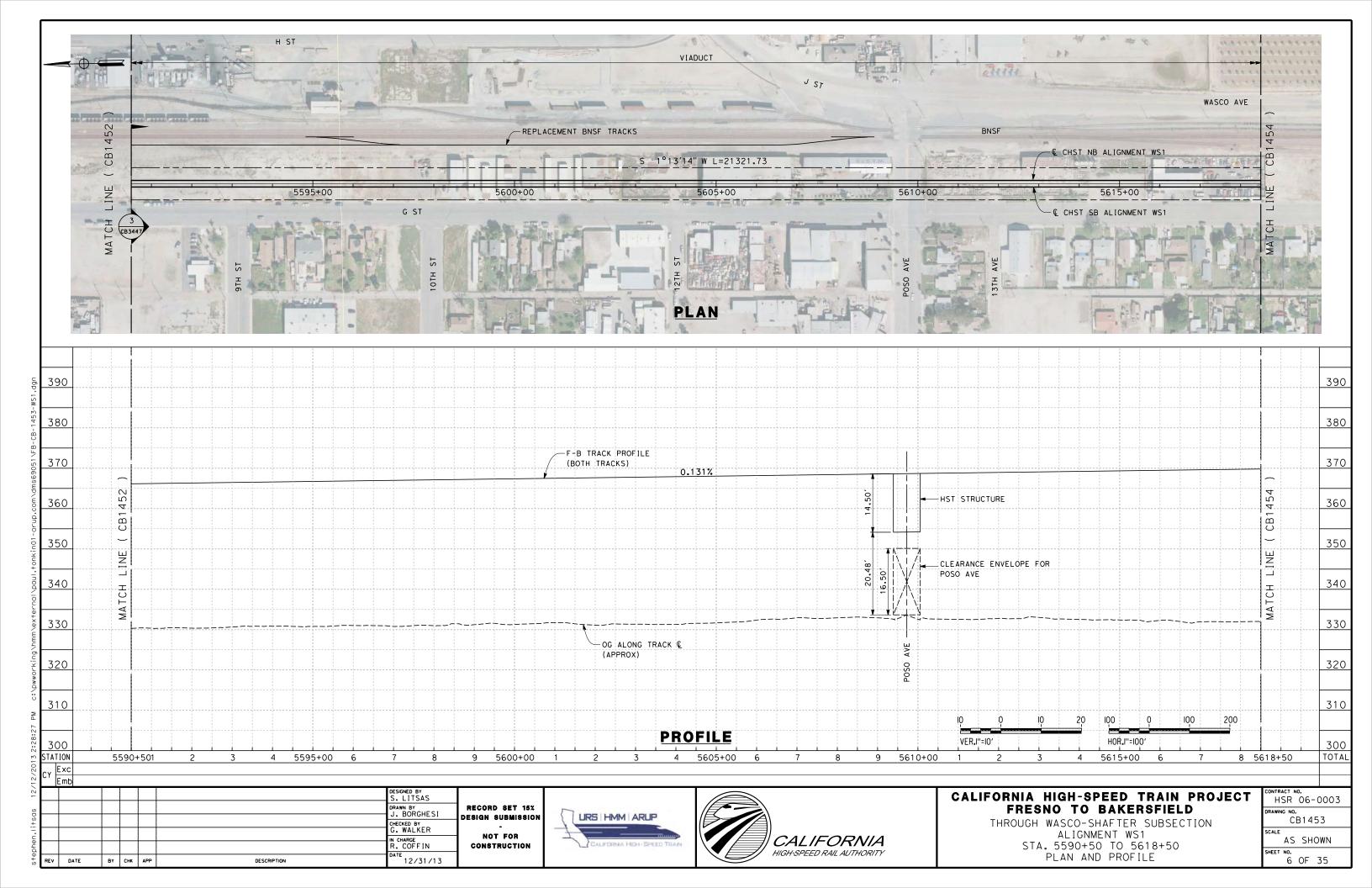


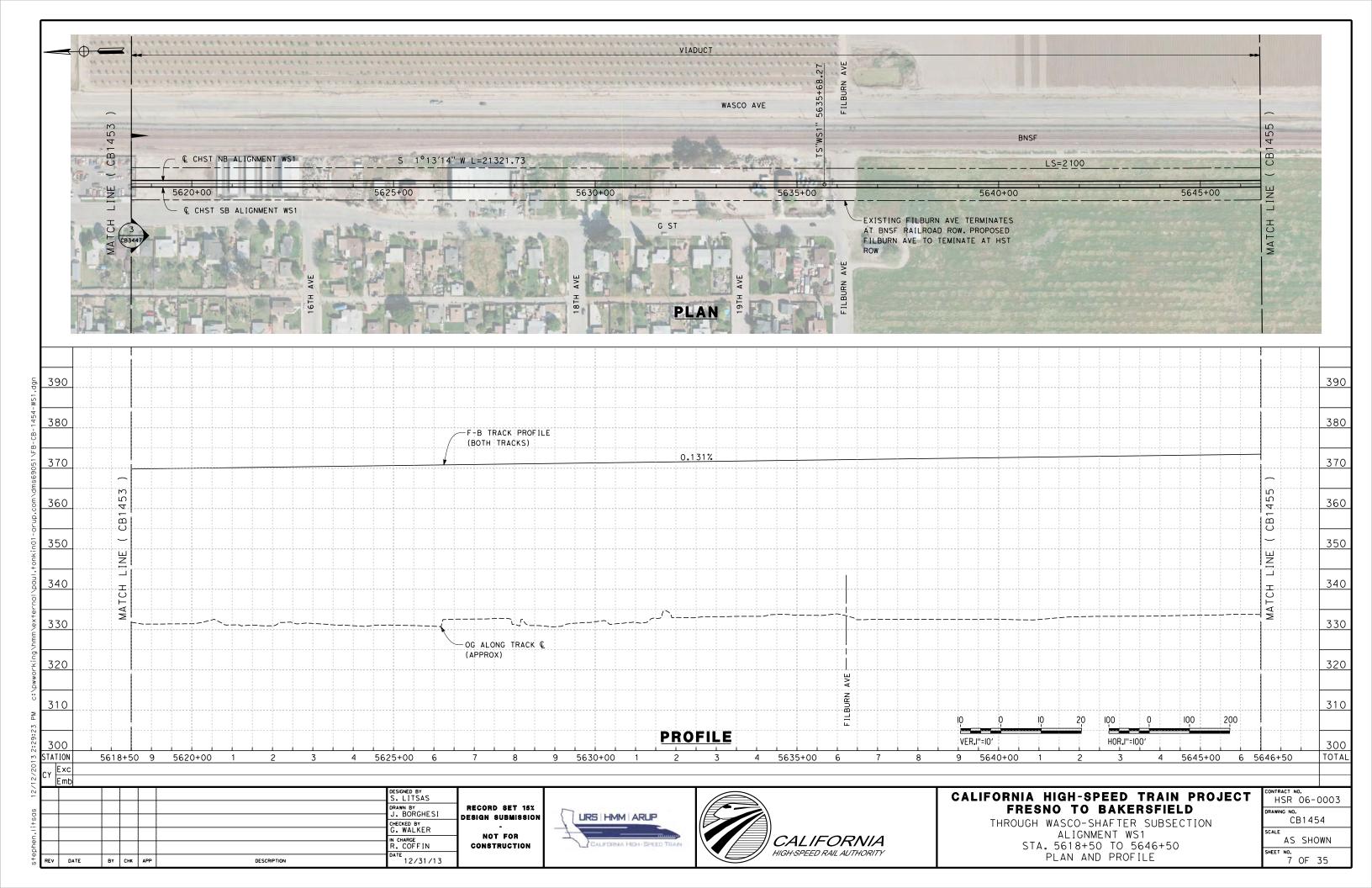


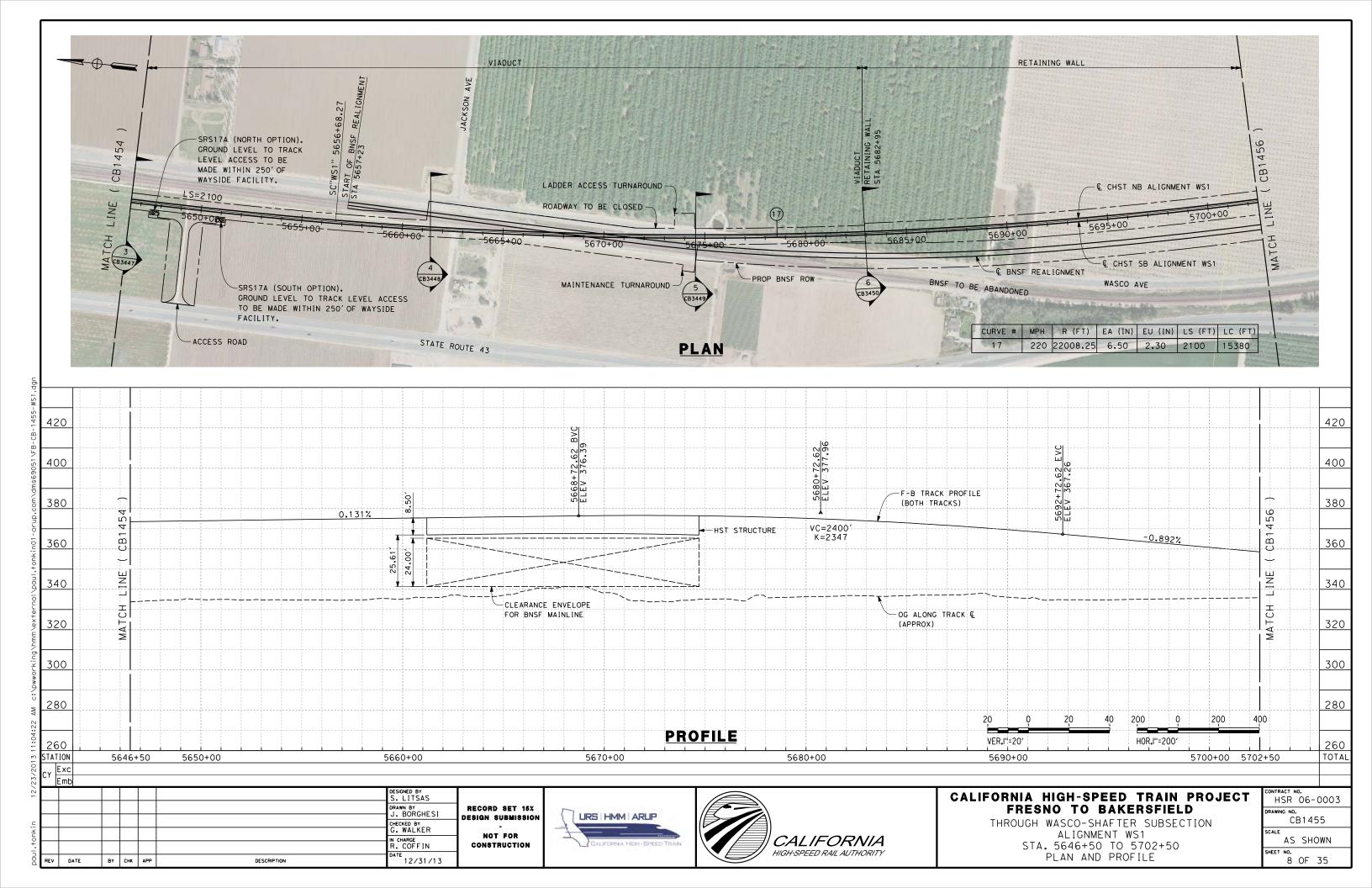


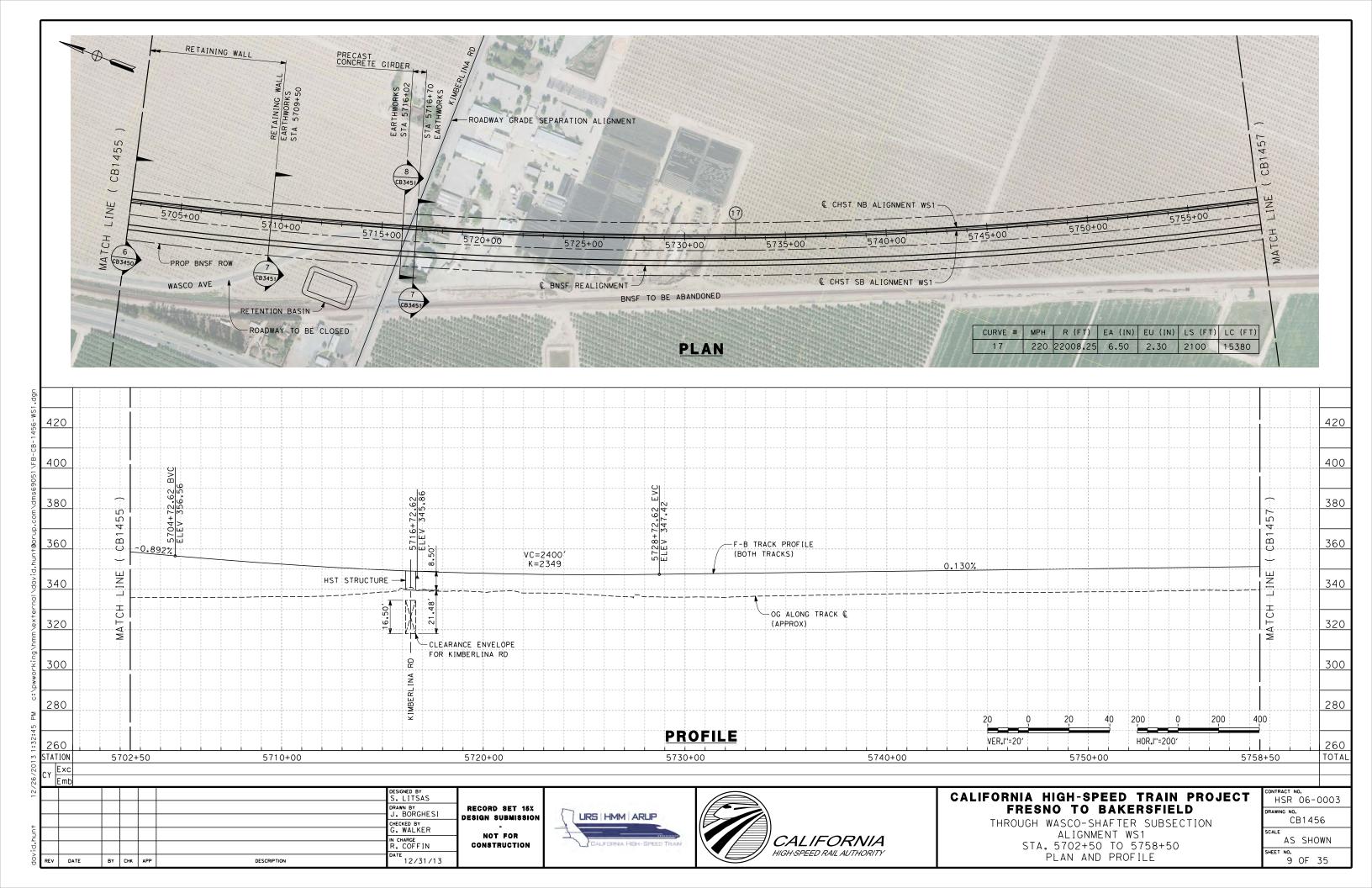


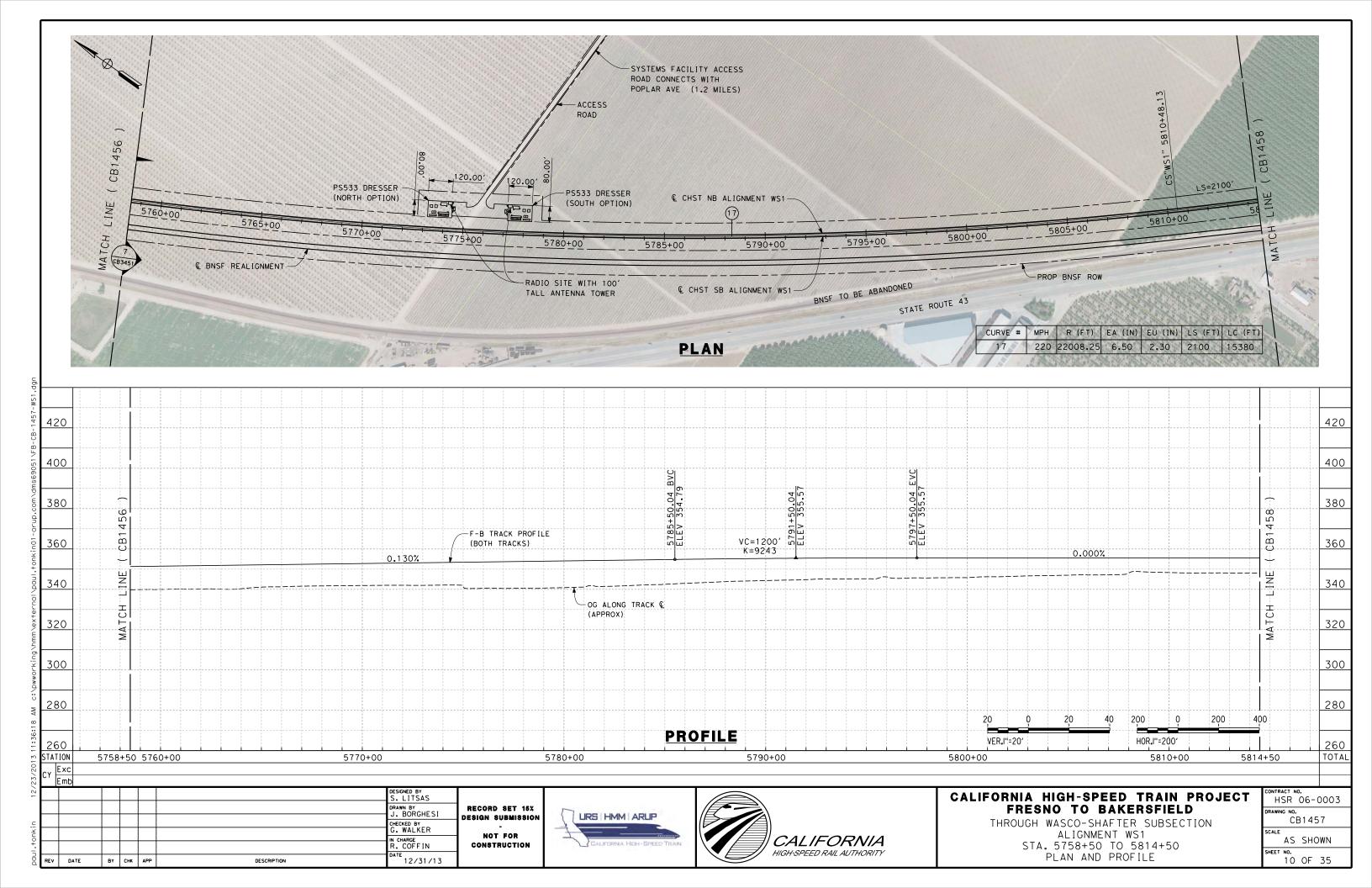


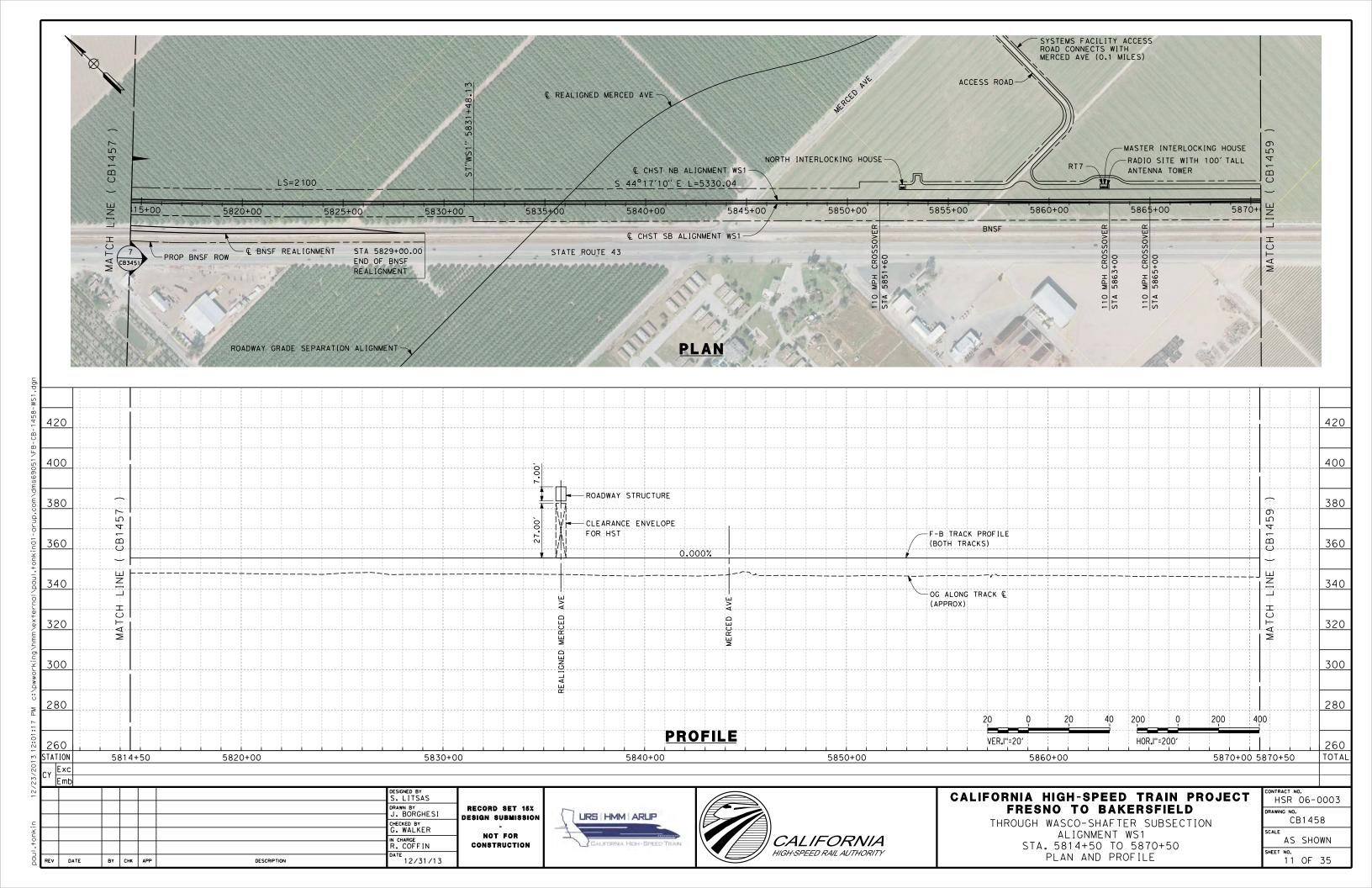


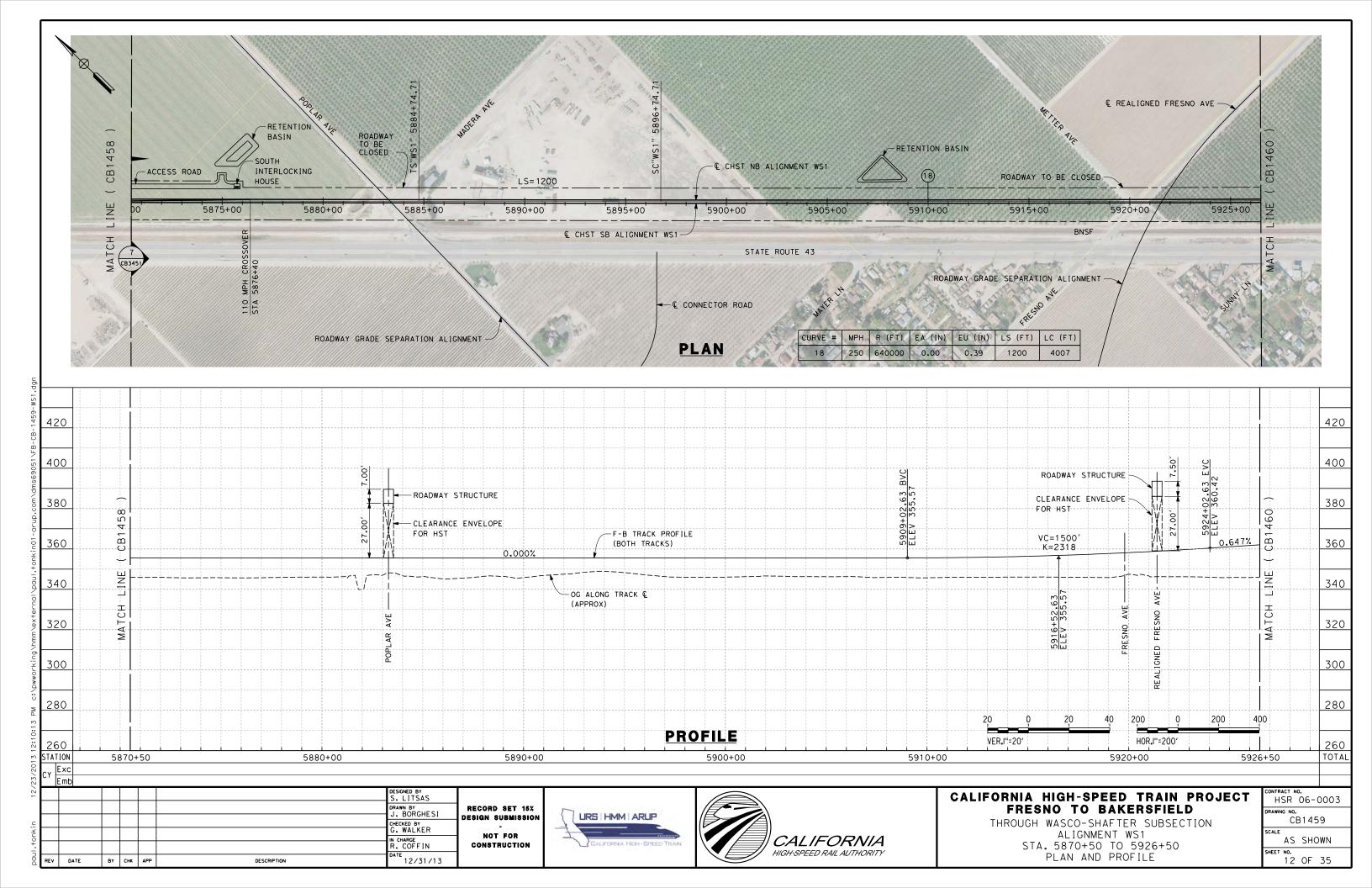


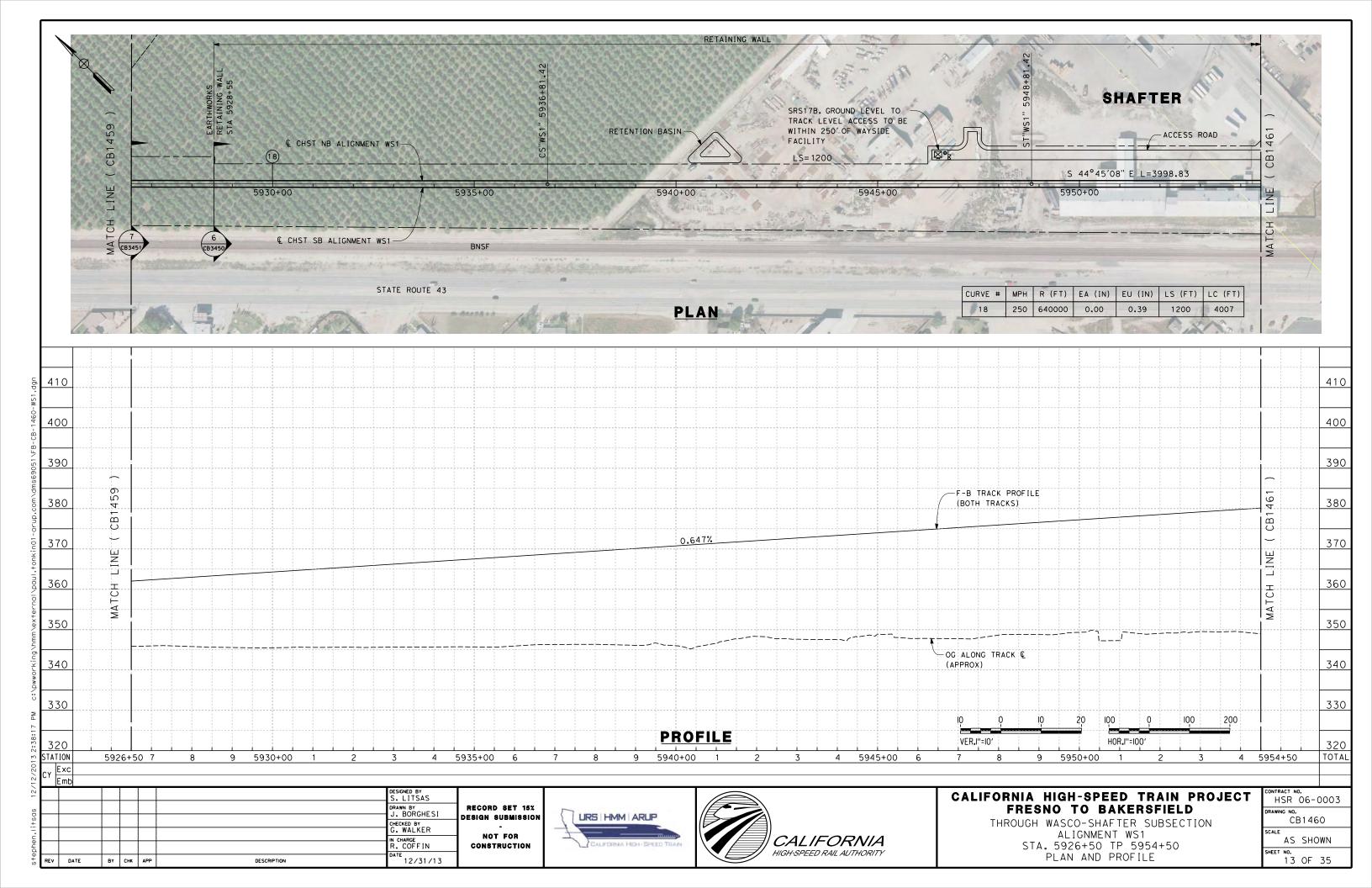


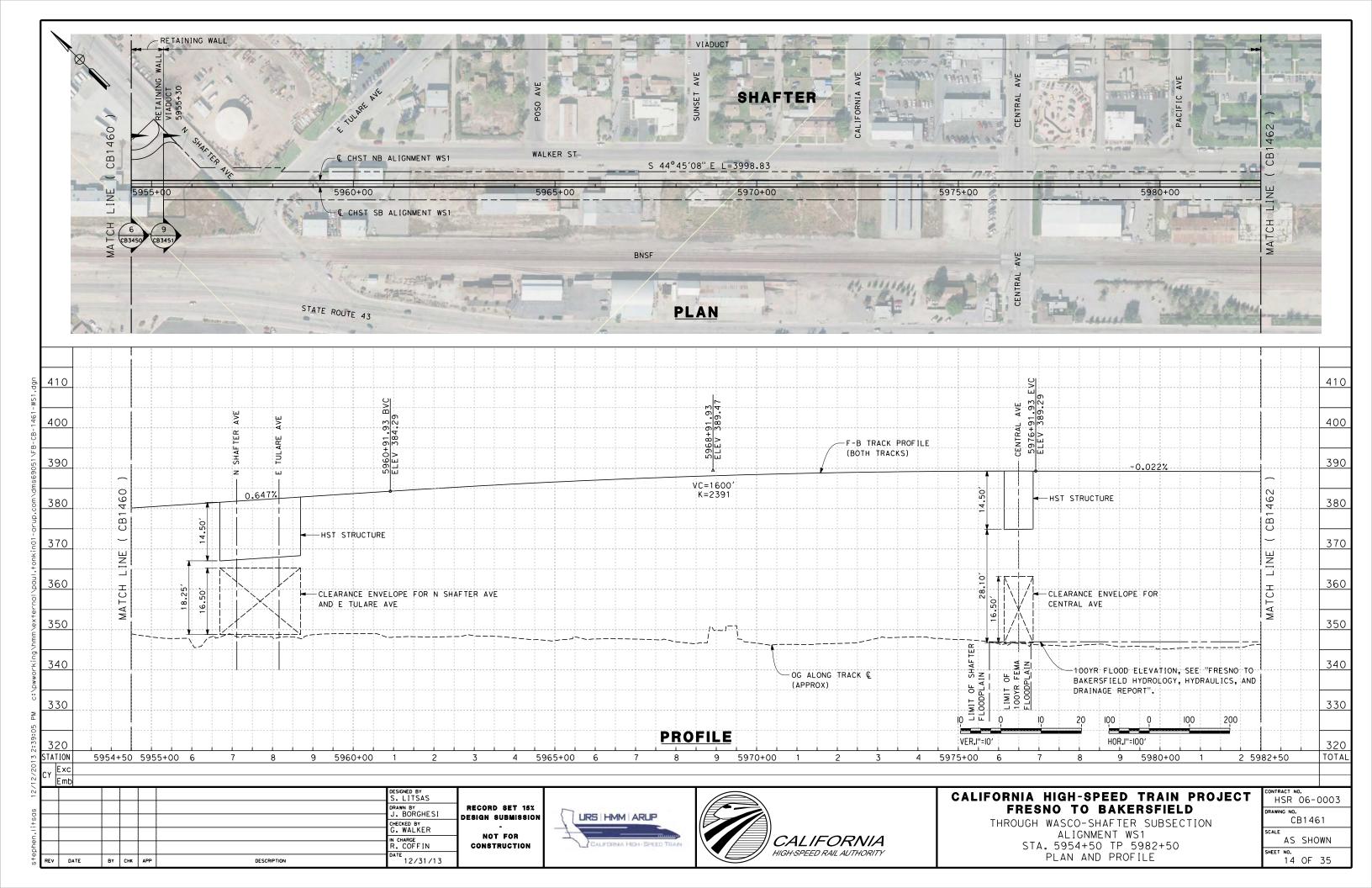


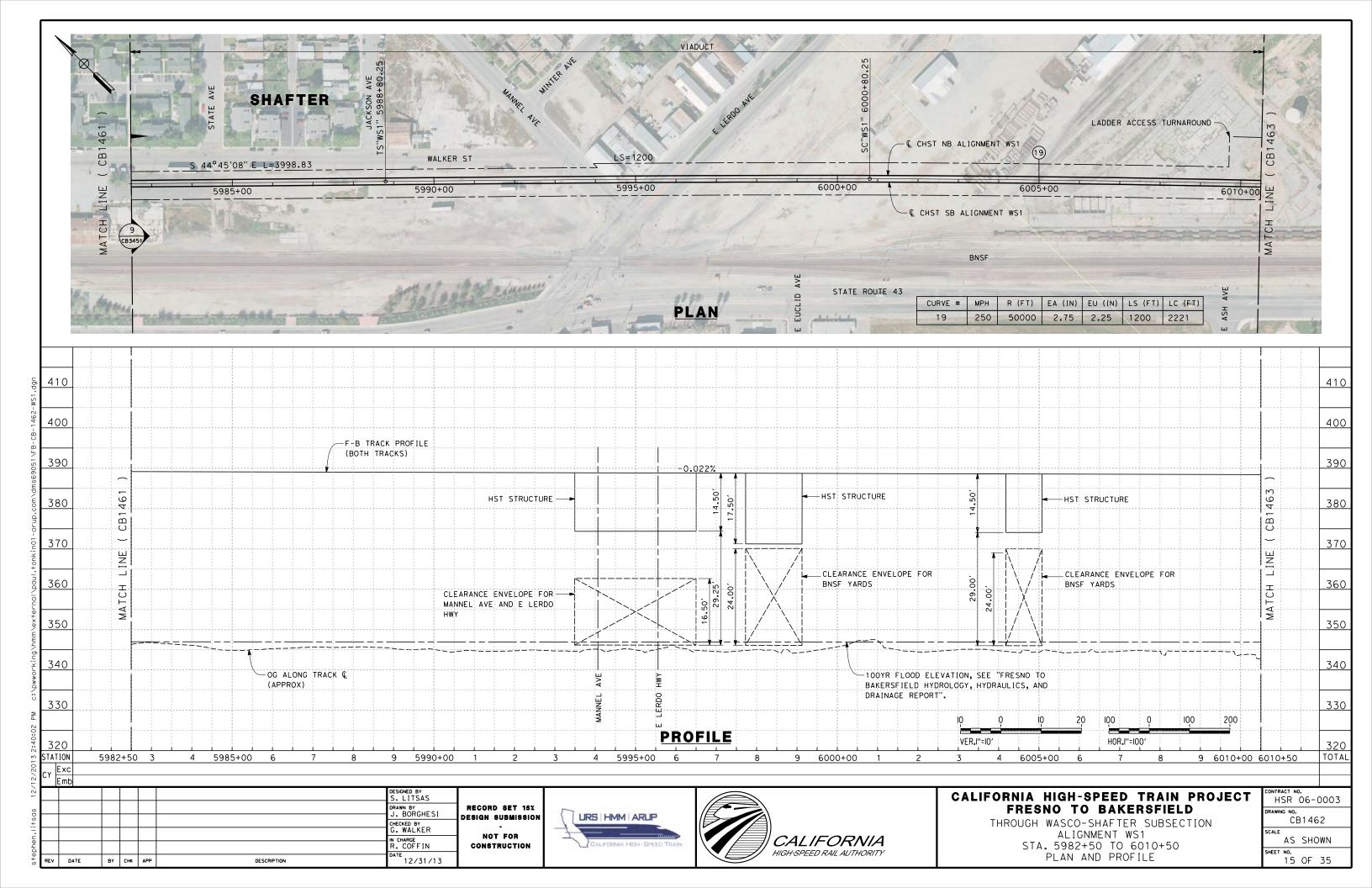


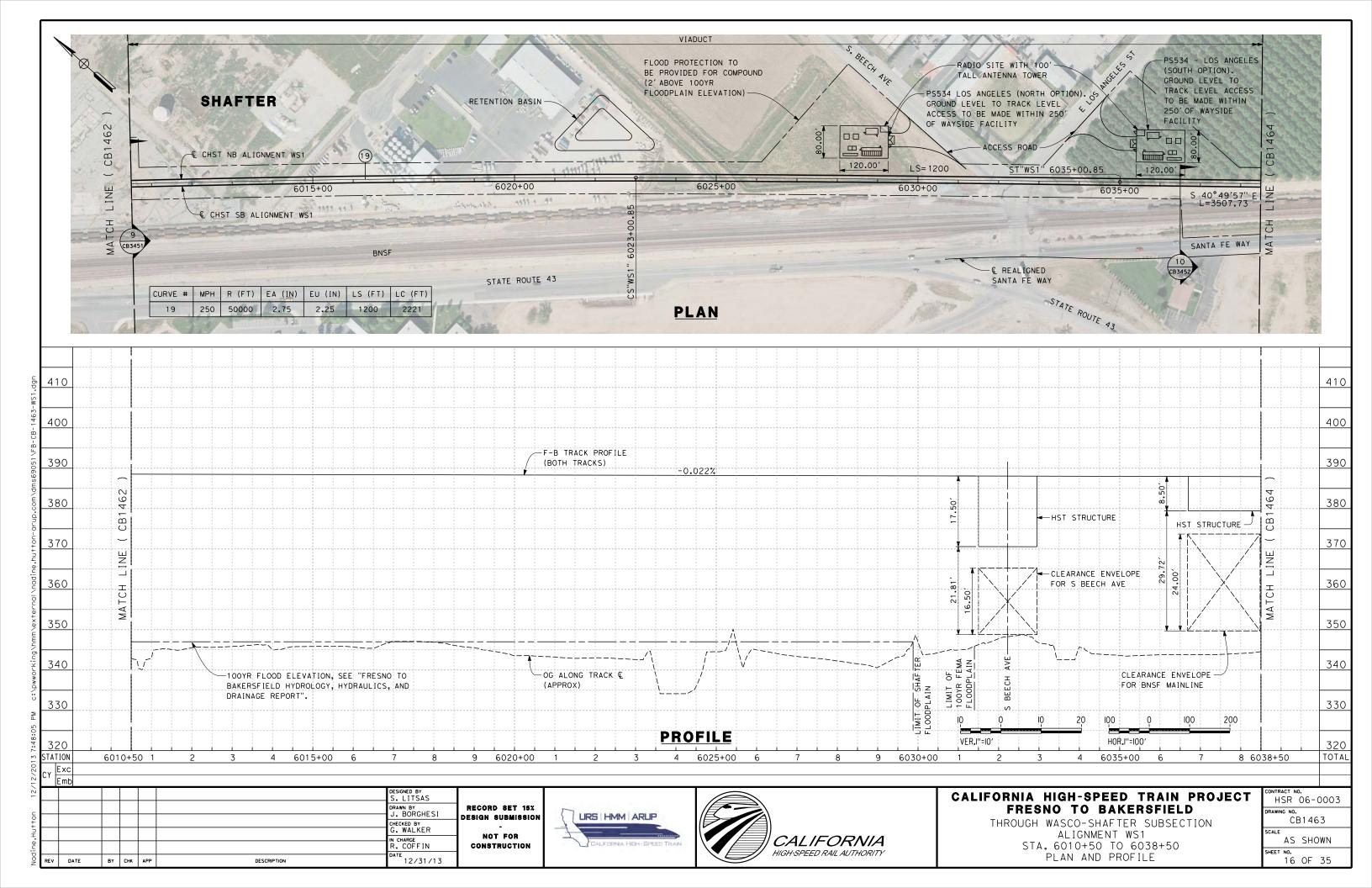


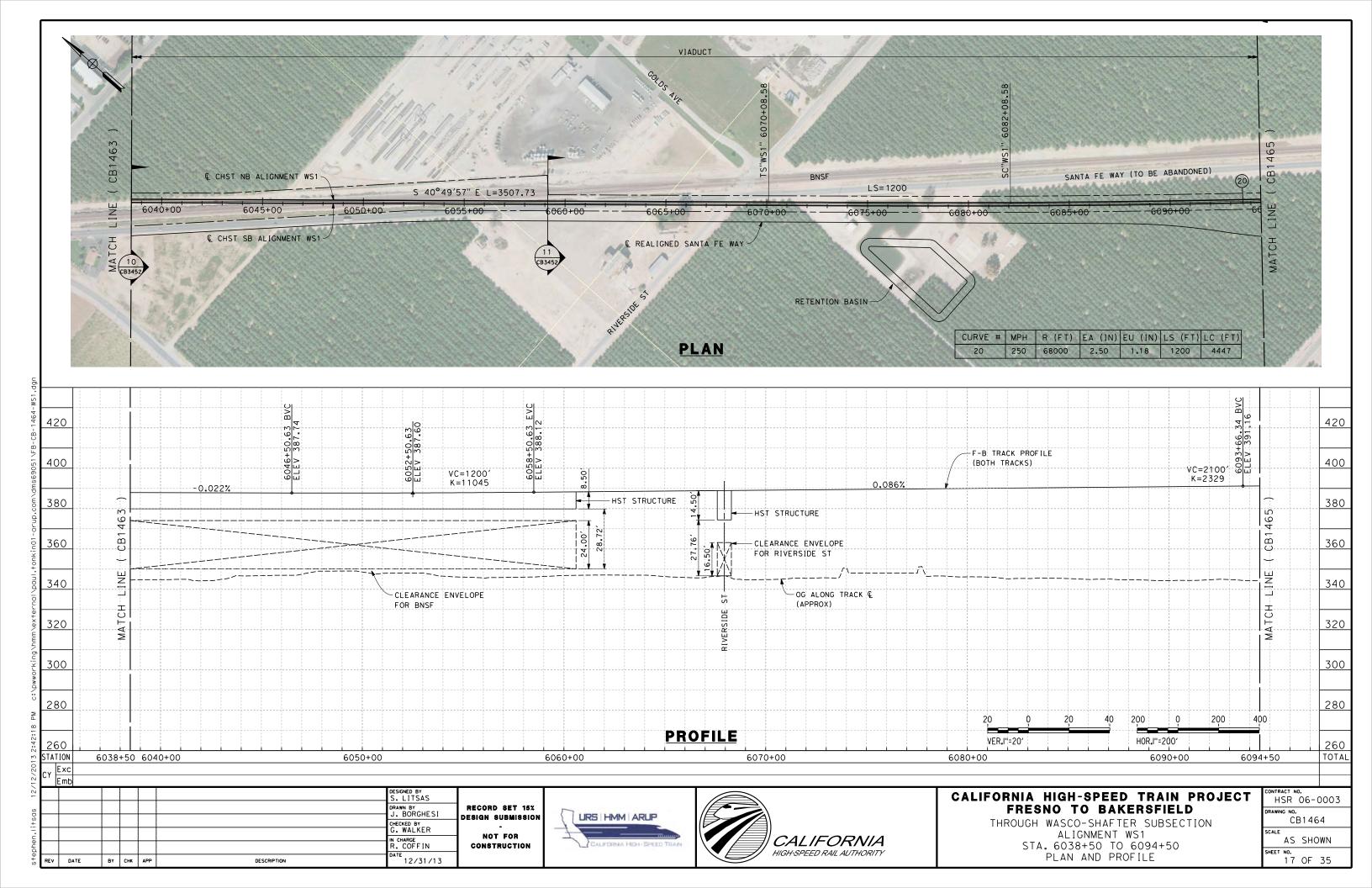


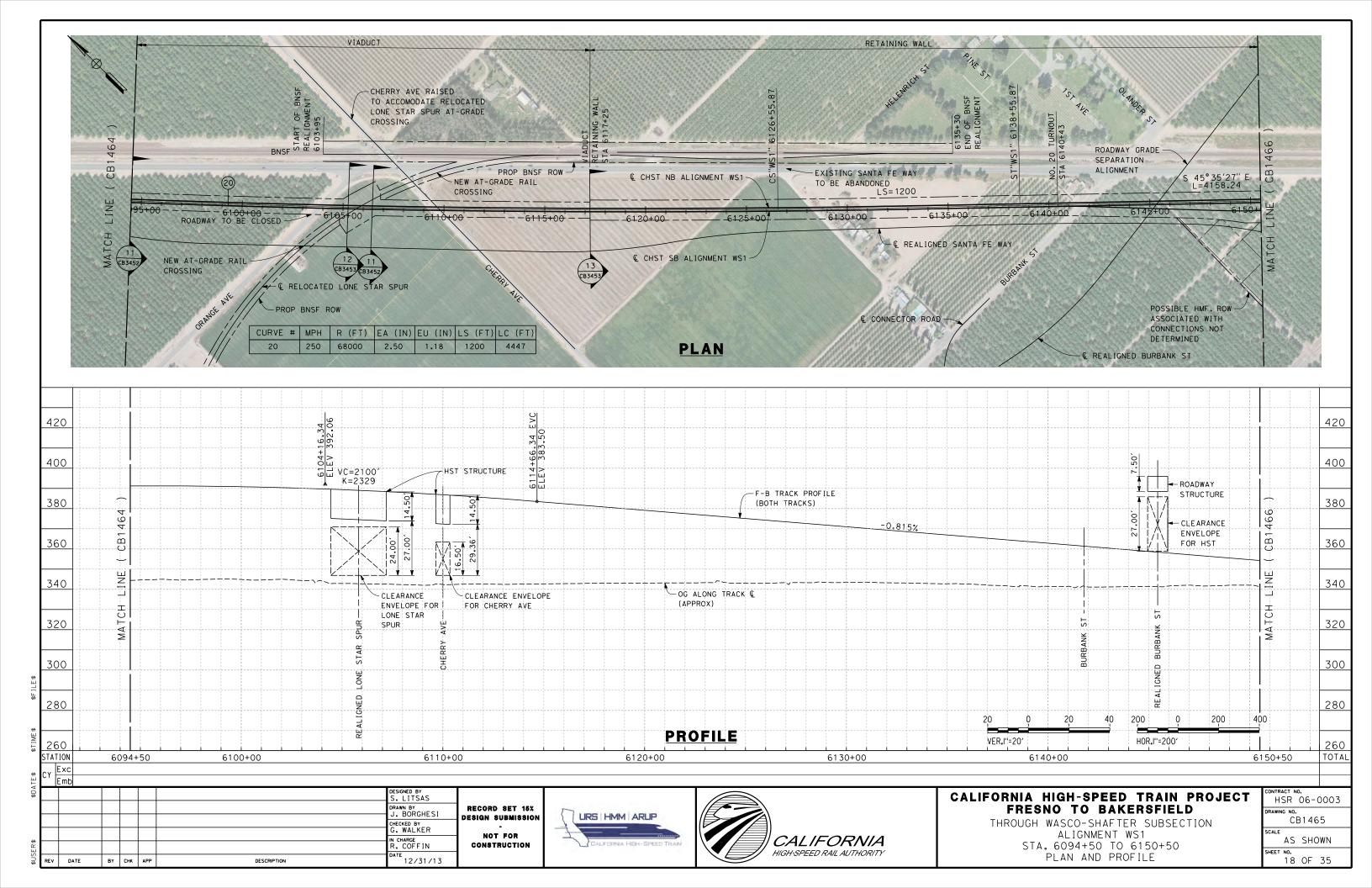


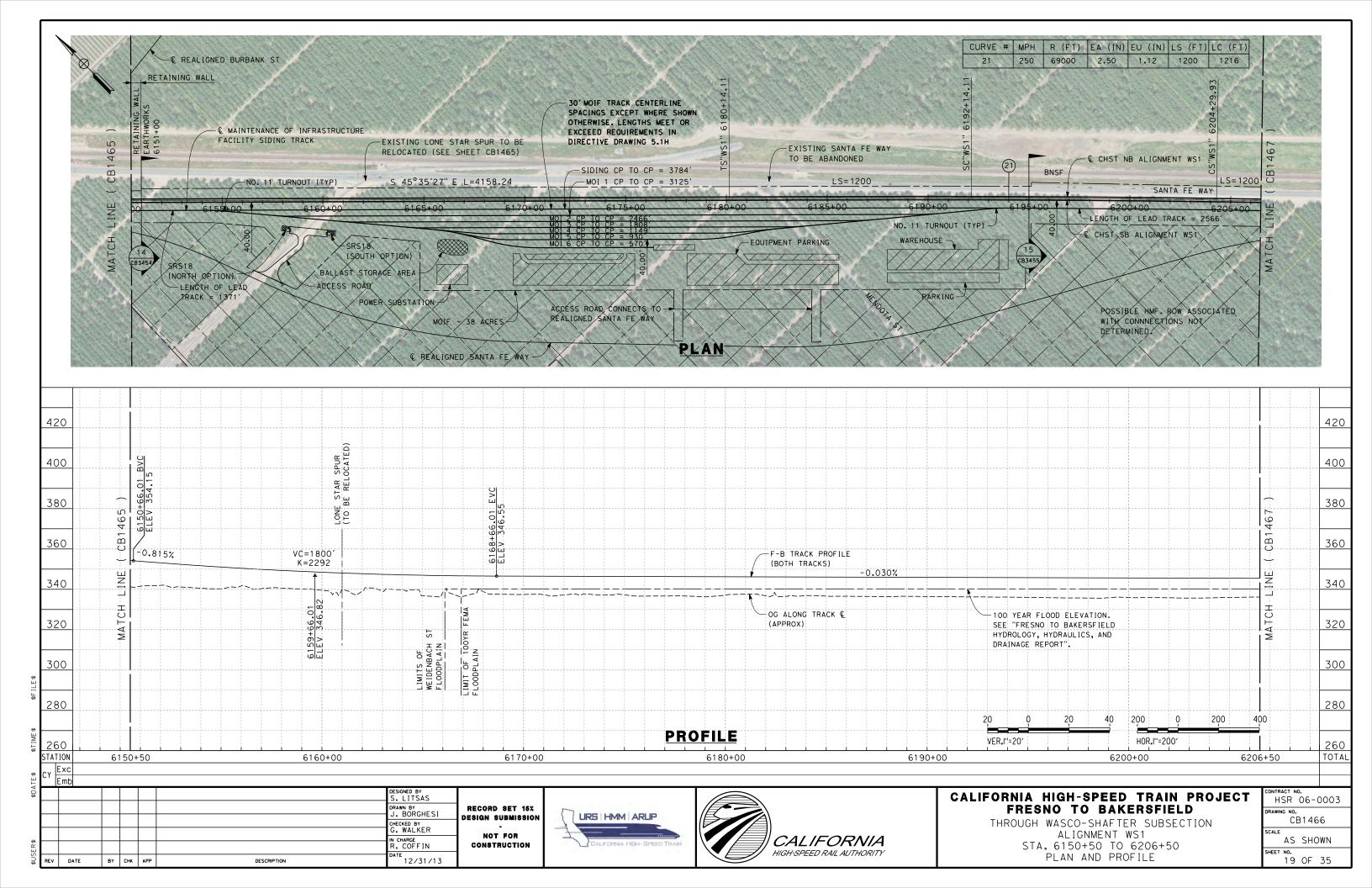


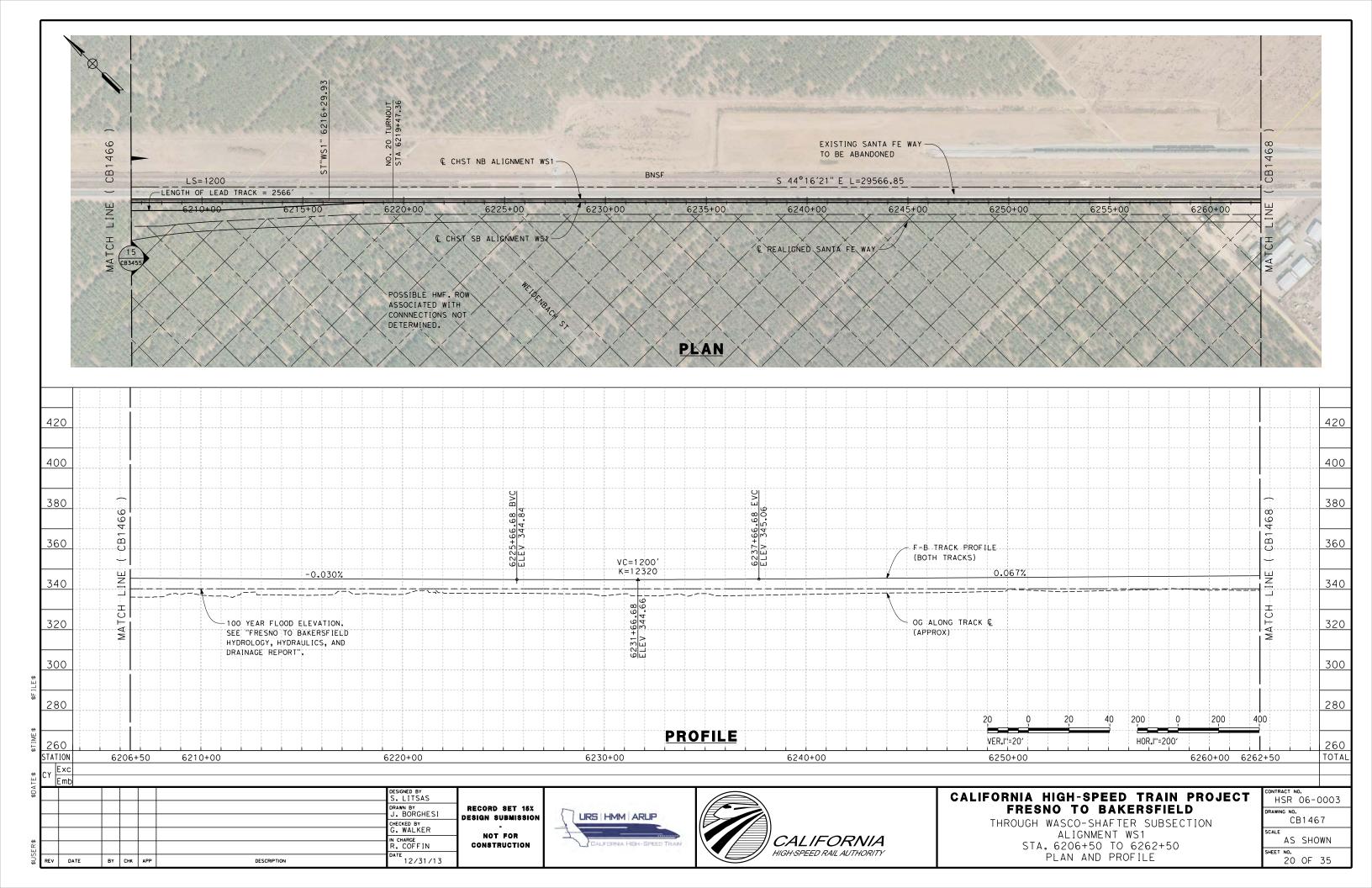


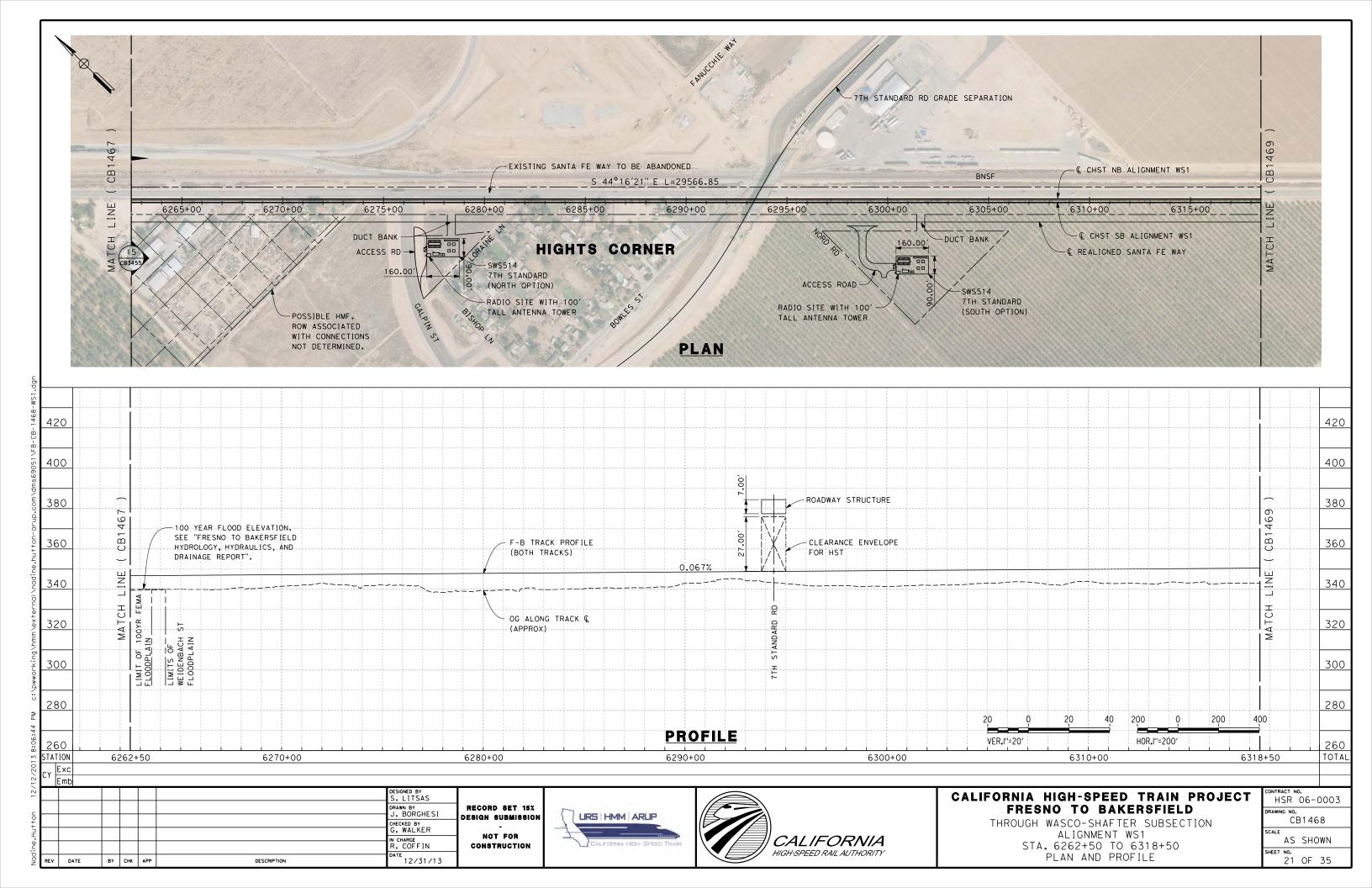


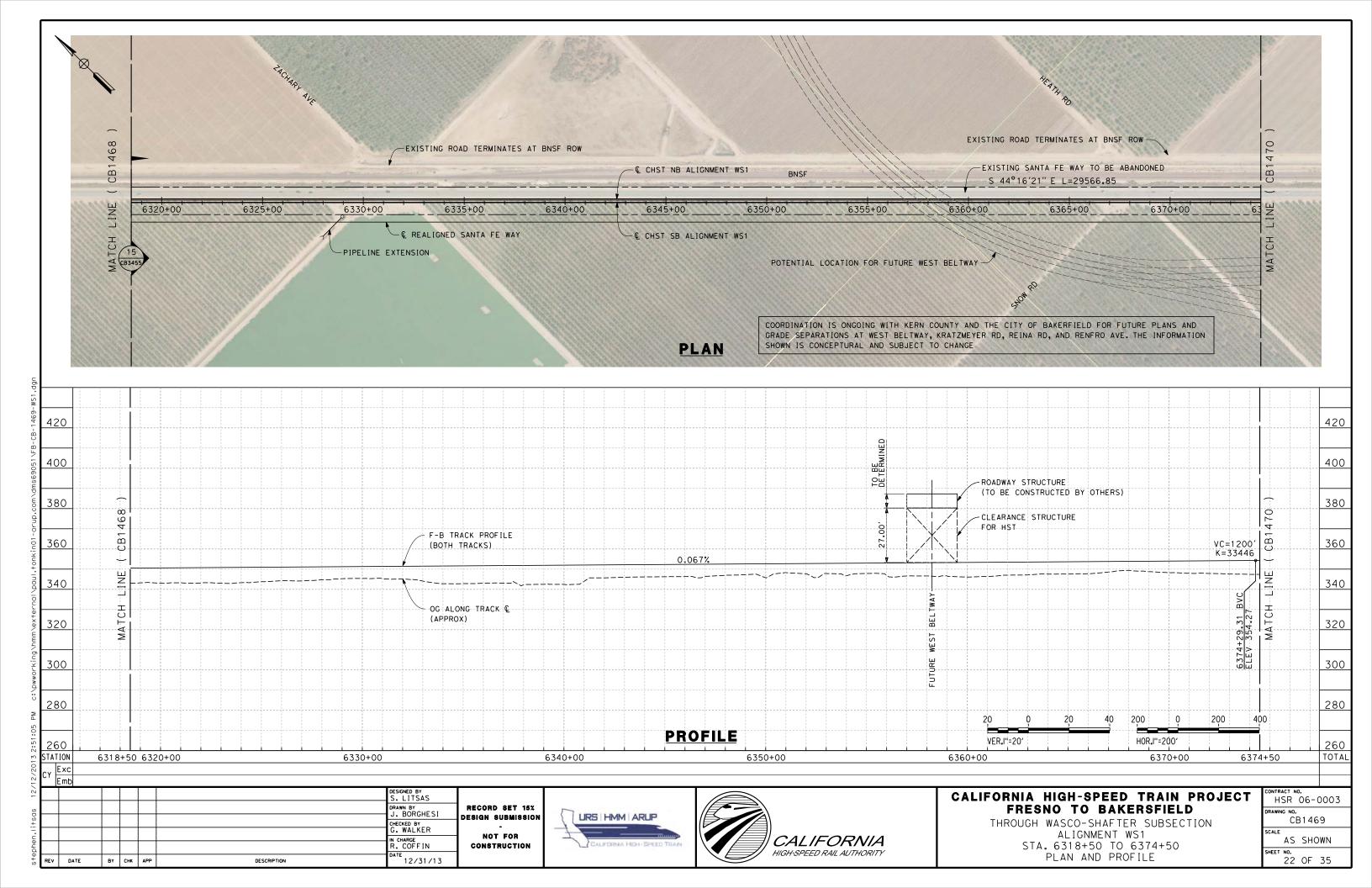


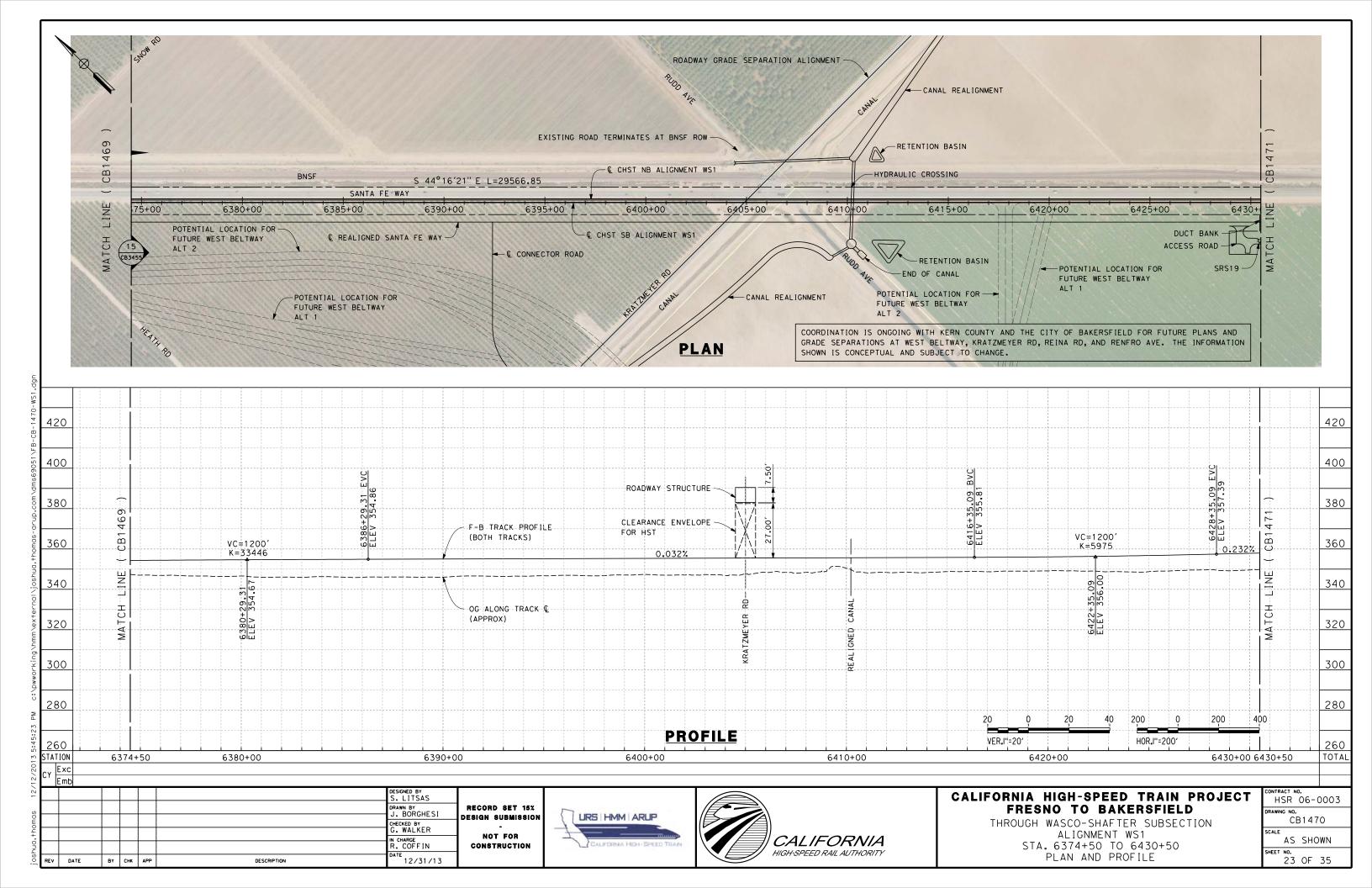


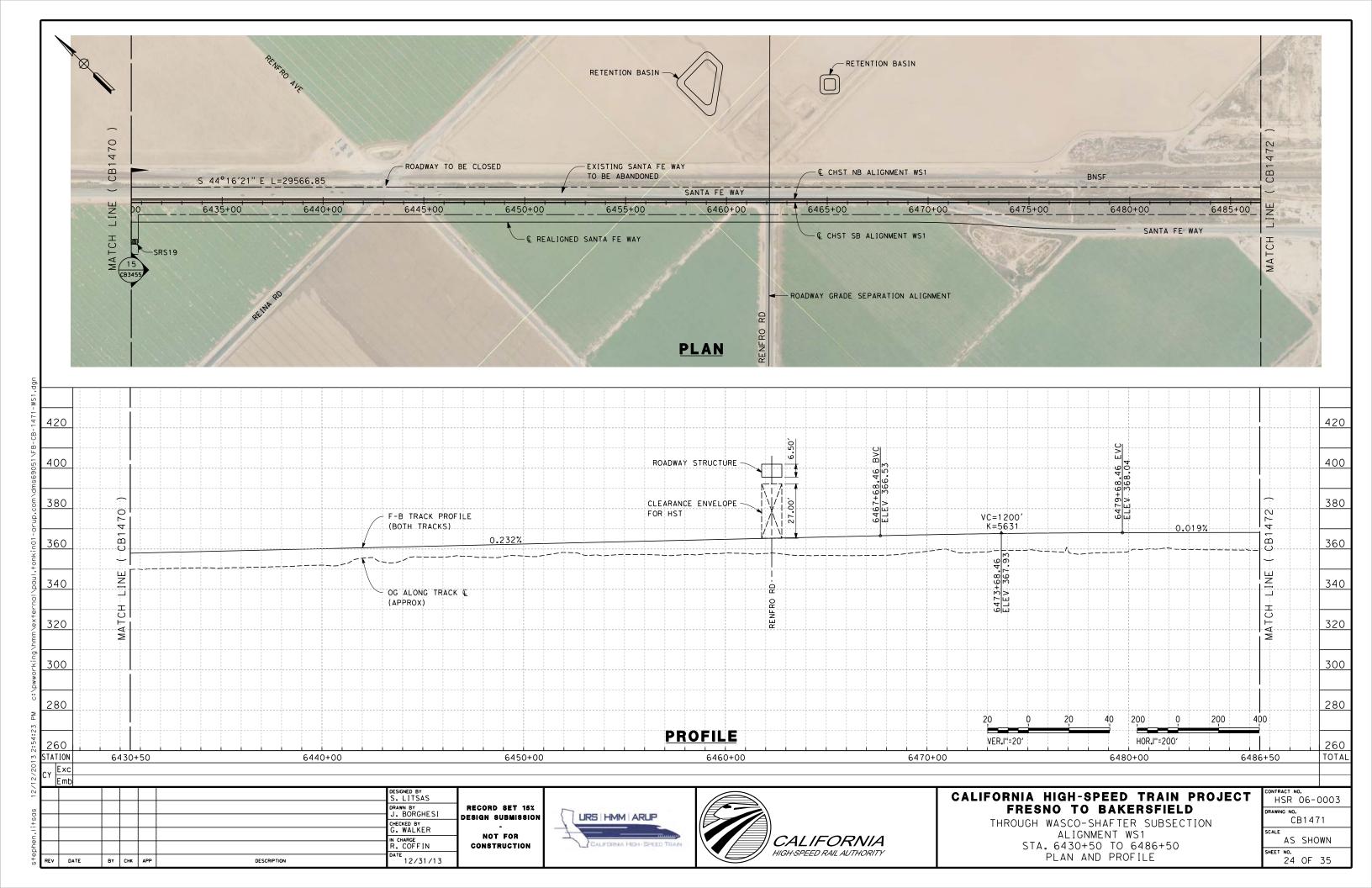


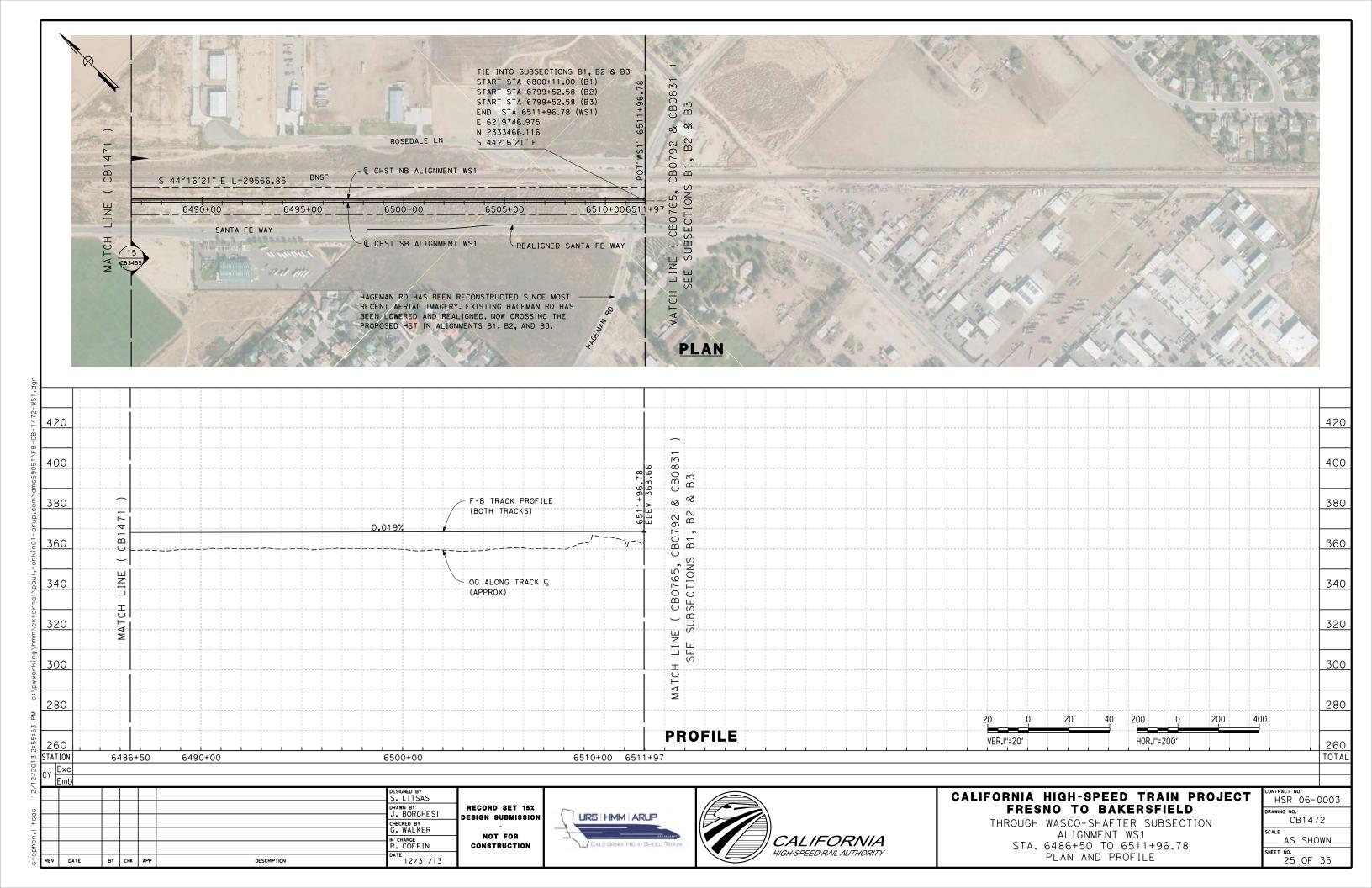




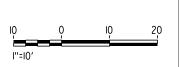








- 1. TRACKFORM SHOWN IS INDICATIVE.
- 2. FOR STRUCTURE DIMENSIONS SEE STRUCTURAL CROSS SECTIONS.
- 3. SUPERELEVATION IS NOT SHOWN. THE AMOUNT OF APPLIED SUPERELEVATION IS SHOWN IN THE CURVE DATA TABLES.



-DRAIN (TYP)

TWIN TRACK ON RETAINED EMBANKMENT, ADJACENT TO BNSF STA 5551+00 THROUGH STA 5556+40 STA 5557+60 THROUGH STA 5564+80

OCS POLE (TYP)

3.00' WALKWAY

RETAINING WALL (TYP)

-10'MIN SWALE (TYP)

102.00' MIN

						DESIGNED BY S. LITSAS	
						DRAWN BY J. BORGHESI	RECORD SET 15%
						CHECKED BY	DESIGN SUBMISSION
						G. WALKER IN CHARGE	NOT FOR
						R. COFFIN	CONSTRUCTION
REV	DATE	ВΥ	СНК	APP	DESCRIPTION	12/31/13	

EMBANKMENT-

15.00'

BNSF

BNSF

50.00' - TYPICAL

35.00' - APPROX

— OG

URS HMM ARUP



CABLE TROUGH

(TYP)

CALIFORNIA HIGH-SPEED TRAIN PROJECT FRESNO TO BAKERSFIELD

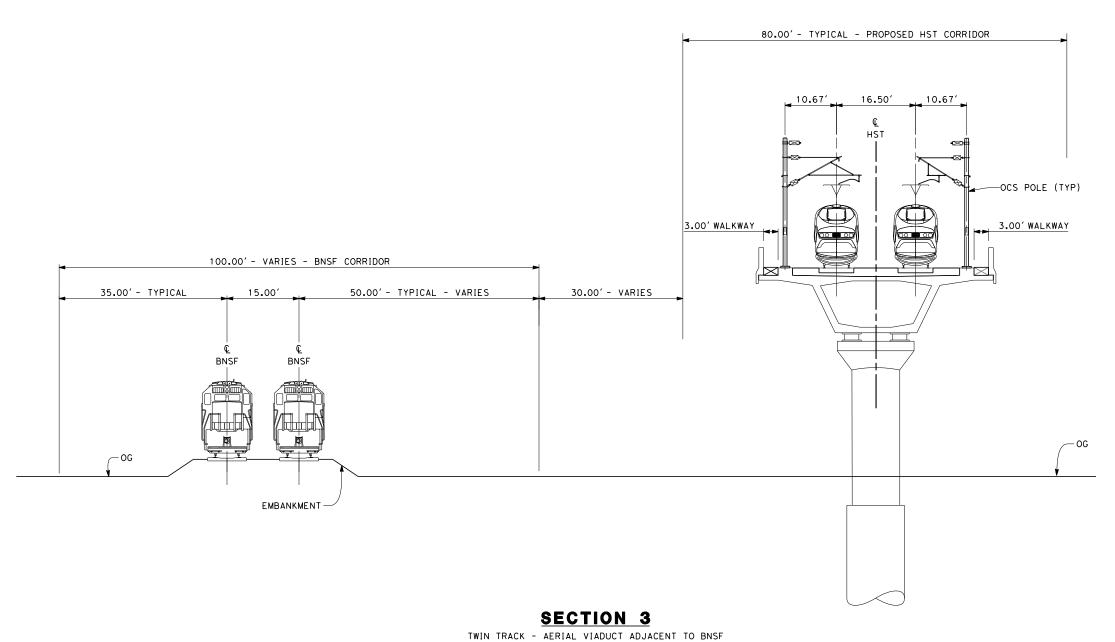
FENCE (TYP)

-10'MIN SWALE (TYP)

FENCE (TYP)

3.00' WALKWAY

CONTRACT NO							
HSR (06-0003						
DRAWING NO.							
СВ	3446						
SCALE							
AS	SHOWN						
SHEET NO.							
26	OF 35						



- 1. TRACKFORM SHOWN IS INDICATIVE.
- 2. FOR STRUCTURE DIMENSIONS SEE STRUCTURAL CROSS SECTIONS.
- FOR EXTENTS OF BNSF REALIGNMENTS AND LOCATION OF BNSF SIDING TRACKS, SEE PLAN SHEETS.
- 4. SUPERELEVATION IS NOT SHOWN. THE AMOUNT OF APPLIED SUPERELEVATION IS SHOWN IN THE CURVE DATA TABLES.



	DESIGNED BY S. LITSAS			
REC	DRAWN BY J. BORGHESI			
DESIG	CHECKED BY G. WALKER			
┨	IN CHARGE			
CO	R. COFFIN			

DESCRIPTION

BY CHK APP

DATE

RECORD SET 15%
DESIGN SUBMISSION
NOT FOR
CONSTRUCTION

E 12/31/13

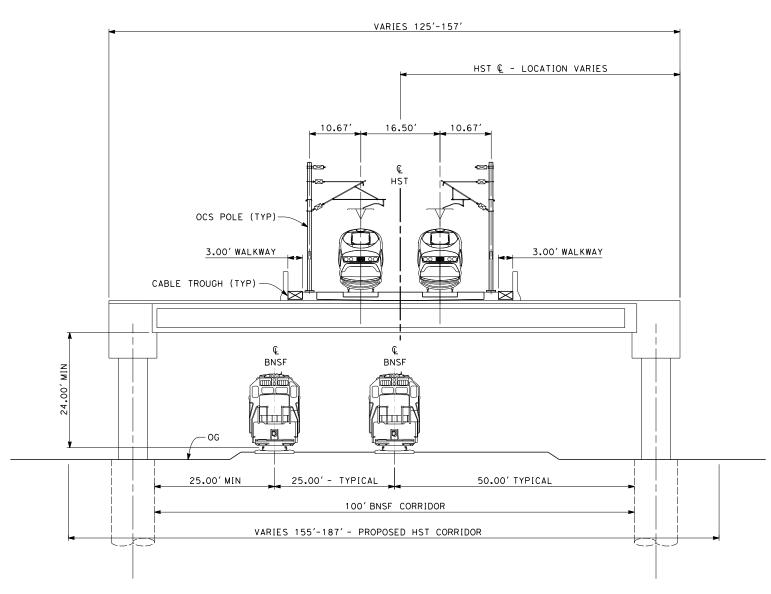


STA 5556+40 THROUGH STA 5557+60 STA 5564+80 THROUGH STA 5661+30

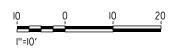


CALIFORNIA HIGH-SPEED TRAIN PROJECT FRESNO TO BAKERSFIELD

	CONTR							
	HSR 06-0003							
		CE	3344	47				
	SCALE							
		AS	SHO	NWC				
	SHEET	NO.						
		27	OF	35				



TWIN TRACK - ELEVATED SLAB OVER BNSF STA 5661+30 THROUGH STA 5674+55



A								
\$D`							DESIGNED BY S. LITSAS	
							DRAWN BY J. BORGHESI	RE
							CHECKED BY	DESI
							G. WALKER	
ER\$							IN CHARGE R. COFFIN	c
\$USE	REV	DATE	ВΥ	СНК	APP	DESCRIPTION	12/31/13	

RECORD SET 15%
ESIGN SUBMISSION
NOT FOR
CONSTRUCTION





CALIFORNIA HIGH-SPEED TRAIN PROJECT FRESNO TO BAKERSFIELD

NOTES:

SECTIONS.

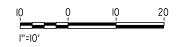
1. TRACKFORM SHOWN IS INDICATIVE.

2. FOR STRUCTURE DIMENSIONS SEE STRUCTURAL CROSS

FOR EXTENTS OF BNSF REALIGNMENTS, SEE PLAN SHEETS.
 SUPERELEVATION IS NOT SHOWN. THE AMOUNT OF APPLIED SUPERELEVATION IS SHOWN IN THE CURVE DATA TABLES.

CONTR			000	3
DRAWIN	IG NO.	3344		_
SCALE	AS	SHO	NWC	
SHEET		OF	35	

TWIN TRACK - AERIAL VIADUCT ADJACENT TO BNSF STA 5674+55 THROUGH STA 5682+95



						DESIGNED BY S, LITSAS	
						DRAWN BY J. BORGHESI	REC DESI
						CHECKED BY G. WALKER	DESIG
						IN CHARGE R. COFFIN	_{co}
REV	DATE	BY	СНК	APP	DESCRIPTION	DATE 12/31/13	







CALIFORNIA HIGH-SPEED TRAIN PROJECT FRESNO TO BAKERSFIELD

NOTES:

SECTIONS.

SHEETS.

DATA TABLES.

1. TRACKFORM SHOWN IS INDICATIVE.

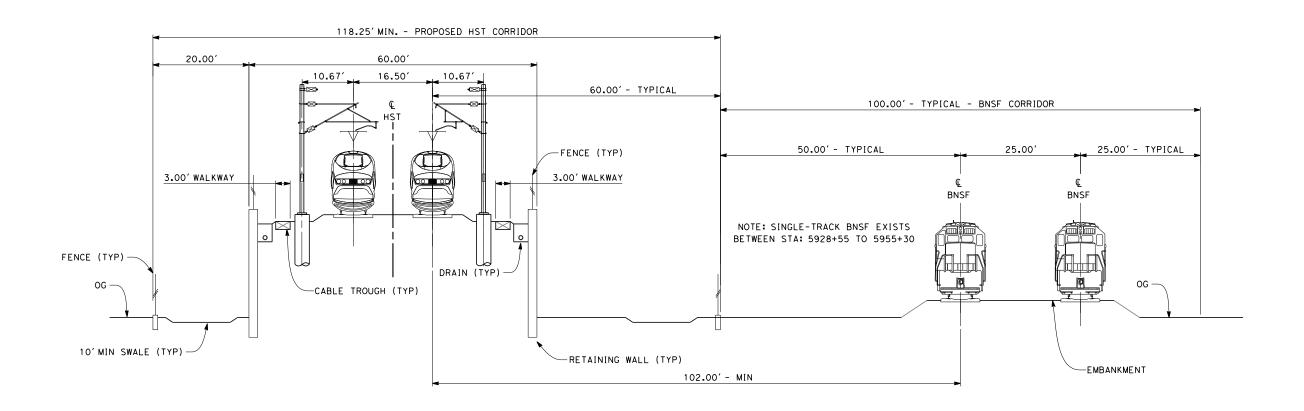
2. FOR STRUCTURE DIMENSIONS SEE STRUCTURAL CROSS

3. FOR EXTENTS OF BNSF REALIGNMENTS, SEE PLAN

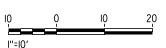
4. SUPERELEVATION IS NOT SHOWN. THE AMOUNT OF APPLIED SUPERELEVATION IS SHOWN IN THE CURVE

CONTR H			0003
DRAWIN		3344	19
SCALE	AS	SHO	NWC
SHEET	NO. 29	OF	35

- 1. TRACKFORM SHOWN IS INDICATIVE.
- 2. FOR STRUCTURE DIMENSIONS SEE STRUCTURAL CROSS SECTIONS.
- 3. FOR EXTENTS OF BNSF REALIGNMENT, SEE PLAN SHEETS.
- 4. SUPERELEVATION IS NOT SHOWN. THE AMOUNT OF APPLIED SUPERELEVATION IS SHOWN IN THE CURVE DATA TABLES.



TWIN TRACK ON RETAINED EMBANKMENT - ADJACENT TO BNSF STA 5682+95 THROUGH STA 5709+50 STA 5928+55 THROUGH STA 5955+30



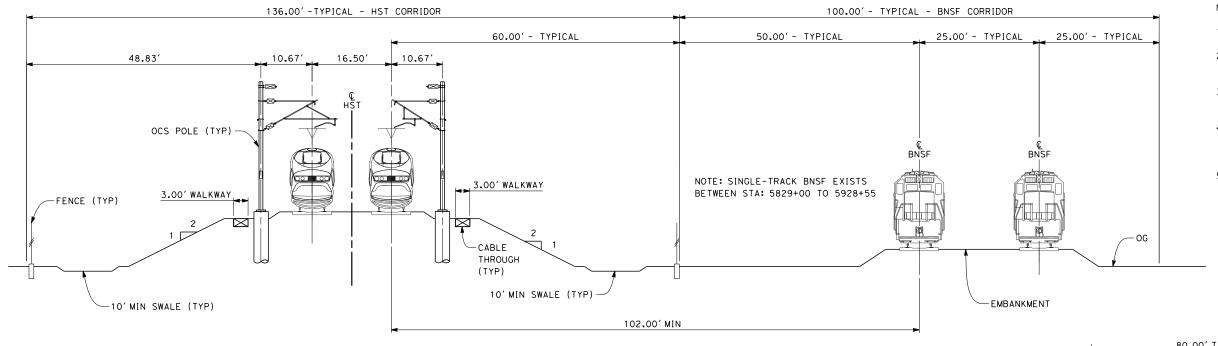
						DESIGNED BY S. LITSAS	
						DRAWN BY J. BORGHESI	REC DESI
						CHECKED BY G. WALKER	
						IN CHARGE R. COFFIN	Co
REV	DATE	ВΥ	СНК	APP	DESCRIPTION	DATE 12/31/13	





CALIFORNIA HIGH-SPEED TRAIN PROJECT FRESNO TO BAKERSFIELD

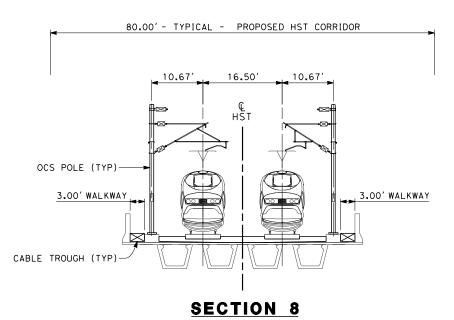
CONTR	ACT N	0.						
H	SR	06-	0003					
DRAWING NO.								
	CE	3345	50					
SCALE								
	AS	SHO	NWC					
SHEET	NO.							
	30	OF	35					



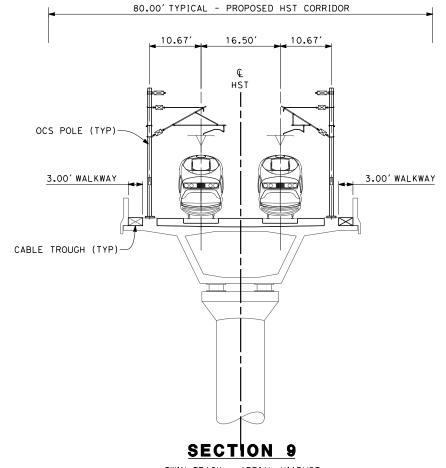
- 1. TRACKFORM SHOWN IS INDICATIVE.
- 2. FOR STRUCTURE DIMENSIONS SEE STRUCTURAL CROSS SECTIONS.
- 3. FOR EXTENTS OF BNSF REALIGNMENTS, SEE PLAN SHEETS.
- 4. SUPERELEVATION IS NOT SHOWN. THE AMOUNT OF APPLIED SUPERELEVATION IS SHOWN IN THE CURVE DATA TABLES.
- 5. PER CALTRANS HIGHWAY DESIGN MANUAL REQUIREMENTS, A HIGHWAY BARRIER IS REQUIRED WHEN ADEQUATE HORIZONTAL CLEARANCE BETWEEN ROADWAY TRAVELED WAY AND HST STRUCTURE COLUMN IS NOT MET. STA 5968+70 TO 5996+40

SECTION 7

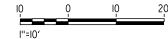
TWIN TRACK - ADJACENT TO BNSF STA 5709+50 THROUGH STA 5715+96 STA 5716+80 THROUGH STA 5928+55



TWIN TRACK - ELEVATED PRECAST CONCRETE GIRDER STRUCTURE STA 5715+96 THROUGH STA 5716+80



TWIN TRACK - AERIAL VIADUCT STA 5955+30 THROUGH STA 6036+65



15							DESIGNED BY S. LITSAS	
							DRAWN BY J. BORGHESI	RECORD SET 15%
+							CHECKED BY	DESIGN SUBMISSION -
J L							G. WALKER	NOT FOR
Ď.							R. COFFIN	CONSTRUCTION
ρ	REV	DATE	ВΥ	СНК	APP	DESCRIPTION	12/31/13	

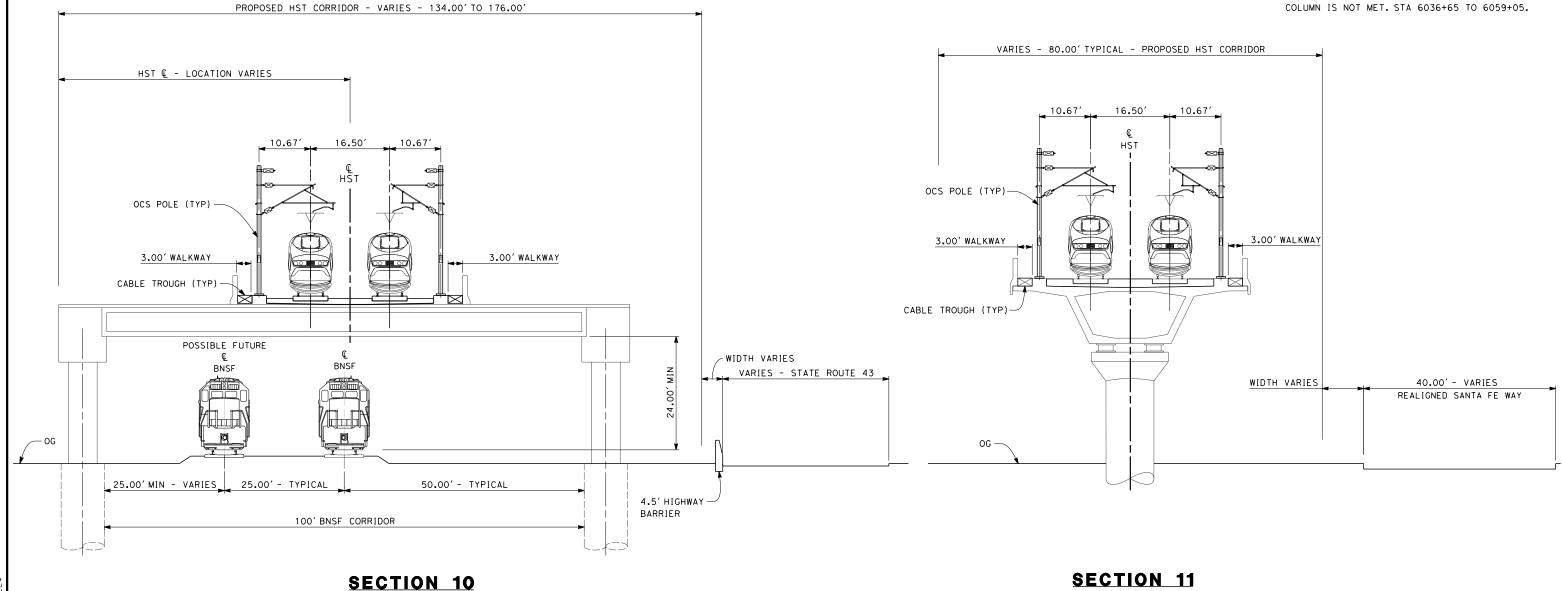
ESIGN SUBMISSION URS HMM ARUP



CALIFORNIA HIGH-SPEED TRAIN PROJECT FRESNO TO BAKERSFIELD

CONTR			0003			
Г	2K	06-	0003			
DRAWIN	DRAWING NO.					
	CI	334	51			
SCALE						
	AS	SHO	NWC			
SHEET						
	31	OF	35			

- 1. TRACKFORM SHOWN IS INDICATIVE.
- 2. FOR STRUCTURE DIMENSIONS SEE STRUCTURAL CROSS SECTIONS.
- 3. SUPERELEVATION IS NOT SHOWN. THE AMOUNT OF APPLIED SUPERELEVATION IS SHOWN IN THE CURVE DATA TABLES.
- 4. PER CALTRANS HIGHWAY DESIGN MANUAL REQUIREME NTS, A HIGHWAY BARRIER IS REQUIRED WHEN ADEQUATE HORIZONTAL CLEARANCE BETWEEN ROADWAY TRAVELED WAY AND HST STRUCTURE



TWIN TRACK - ELEVATED SLAB OVER BNSF ADJACENT TO HIGHWAY STA 6036+65 THROUGH STA 6059+05

TWIN TRACK - AERIAL VIADUCT ADJACENT TO REALIGNED SANTA FE WAY STA 6059+05 THROUGH STA 6105+25 STA 6106+45 THOGUTH STA 6117+75

10	Q	IO	20
l''=10 <i>'</i>			

\$D							DESIGNED BY S. LITSAS	
							DRAWN BY	RECORD SET 15%
							CHECKED BY	DESIGN SUBMISSION
							G. WALKER	NOT FOR
SER®							R. COFFIN	CONSTRUCTION
\$U\$	REV	DATE	BY	СНК	APP	DESCRIPTION	DATE 12/31/13	

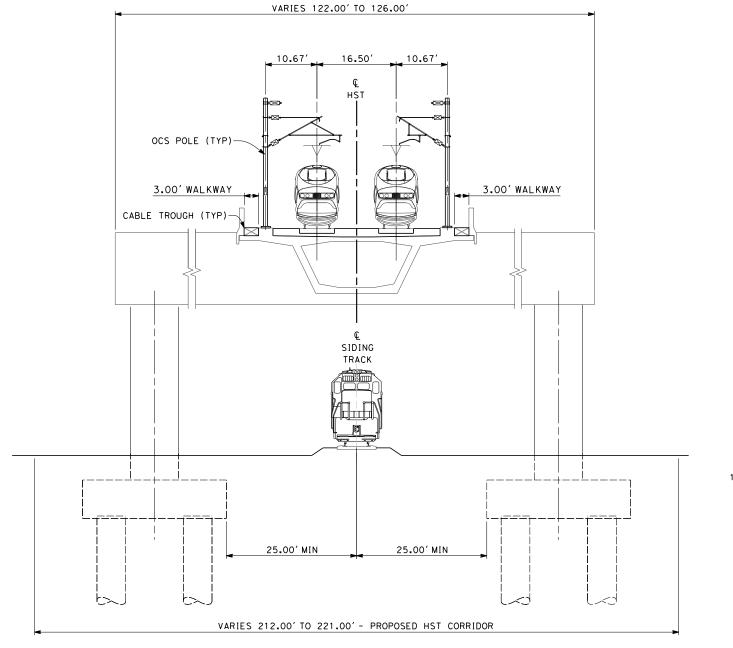




CALIFORNIA HIGH-SPEED TRAIN PROJECT FRESNO TO BAKERSFIELD

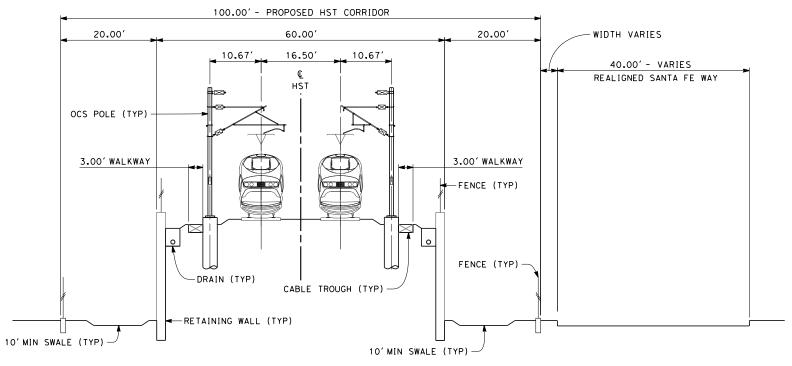
CONTR			0003
-	J11	00	0003
DRAWIN	G NO.		
	CE	3345	52
SCALE			
	AS	SHO	NWC
SHEET	NO.		
	32	OF	35

- 1. TRACKFORM SHOWN IS INDICATIVE.
- 2. FOR STRUCTURE DIMENSIONS SEE STRUCTURAL CROSS
- 3. SUPERELEVATION IS NOT SHOWN. THE AMOUNT OF APPLIED SUPERELEVATION IS SHOWN IN THE CURVE DATA TABLES.



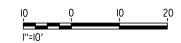
SECTION 12

TWIN TRACK - INTEGRAL STRADDLE BENT STA 6105+25 THROUGH STA 6106+45



SECTION 13

TWIN TRACK ON RETAINED EMBANKMENT - ADJACENT TO REALIGNED SANTA FE WAY STA 6117+25 THROUGH STA 6151+00



						DESIGNED BY	
						S. LITSAS DRAWN BY J. BORGHESI	R
						CHECKED BY G. WALKER	DE
						IN CHARGE R. COFFIN	
REV	DATE	ВΥ	СНК	APP	DESCRIPTION	12/31/13	

RECORD SET 15% URS HMM ARUP ESIGN SUBMISSION CONSTRUCTION

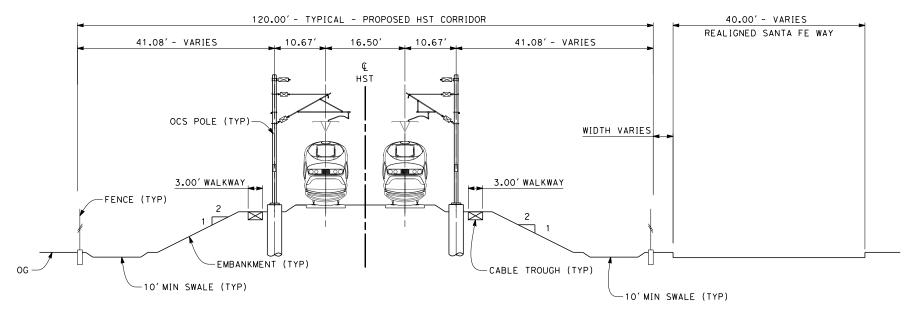
NOT FOR



CALIFORNIA HIGH-SPEED TRAIN PROJECT FRESNO TO BAKERSFIELD

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB3453
SCALE
AS SHOWN
SHEET NO.
33 OF 35

- 1. TRACKFORM SHOWN IS INDICATIVE.
- 2. FOR STRUCTURE DIMENSIONS SEE STRUCTURAL CROSS SECTIONS.
- SUPERELEVATION IS NOT SHOWN. THE AMOUNT OF APPLIED SUPERELEVATION IS SHOWN IN THE CURVE DATA TABLES.
- 4. MOIF NOT SHOWN. SEE PLAN DRAWINGS.



TWIN TRACK - AT GRADE ADJACENT TO REALIGNED SANTA FE WAY
STA 6151+00 THROUGH STA 6195+00

10	Q	IO	20
l''=l0'			

						DESIGNED BY S. LITSAS	
						DRAWN BY J. BORGHESI	RE
						CHECKED BY	DESI
						G. WALKER	
						R. COFFIN	C
REV	DATE	ВΥ	СНК	APP	DESCRIPTION	12/31/13	



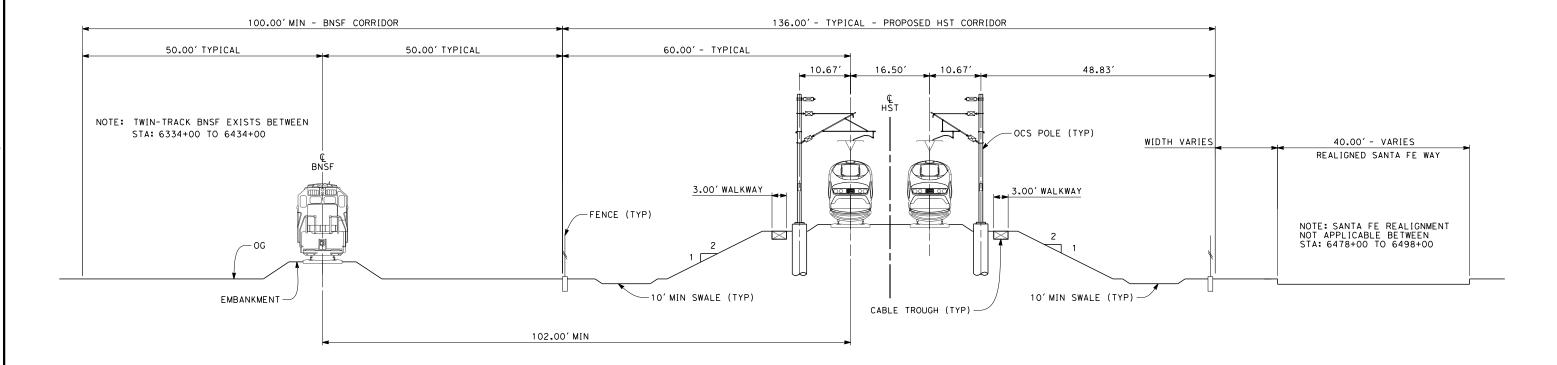




CALIFORNIA HIGH-SPEED TRAIN PROJECT FRESNO TO BAKERSFIELD

CONTR			0003
DRAWIN	G NO.	3345	
SCALE	AS	SHO	OWN
SHEET	NO. 34	OF	35

- 1. TRACKFORM SHOWN IS INDICATIVE.
- FOR STRUCTURE DIMENSIONS SEE STRUCTURAL CROSS SECTIONS.
- SUPERELEVATION IS NOT SHOWN. THE AMOUNT OF APPLIED SUPERELEVATION IS SHOWN IN THE CURVE DATA TABLES.



TWIN TRACK - BETWEEN BNSF AND REALIGNED SANTA FE STA 6195+00 THROUGH STA 6511+96.78



						DESIGNED BY S. LITSAS	
						DRAWN BY J. BORGHESI	RECORD SET 15% Design submission
						CHECKED BY G. WALKER	-
						IN CHARGE R. COFFIN	NOT FOR CONSTRUCTION
REV	DATE	ВΥ	СНК	APP	DESCRIPTION	12/31/13	





CALIFORNIA HIGH-SPEED TRAIN PROJECT FRESNO TO BAKERSFIELD

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB3455
SCALE
AS SHOWN
SHEET NO.
35 OF 35